



SEVENTH ANNUAL REPORT
OF THE
Department of
Mines and Minerals
OF THE
PROVINCE OF ALBERTA
FOR THE
Fiscal Year Ended March 31st
1956

EDMONTON
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1957

To the Honourable J. J. Bowlen,
Lieutenant Governor of the Province of Alberta.

SIR:

I have the honour to submit the Report of the Department of
Mines and Minerals for the fiscal year ended March 31st, 1956.

I have the honour to be, Sir,

Your obedient servant,

ERNEST C. MANNING,
Minister of Mines and Minerals.

Edmonton, November 1st, 1956.

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CHIEF OFFICERS
DEPARTMENT OF MINES AND MINERALS

March 31st, 1956

Hon. Ernest C. Manning	<i>Minister</i>
H. H. Somerville	<i>Deputy Minister</i>
J. B. Corbet	<i>Solicitor</i>
C. W. Jackman	<i>Statistician</i>
W. E. Shillabeer	<i>Administrative Accountant and Personnel Officer</i>

MINERAL RIGHTS DIVISION

J. W. Patrick	<i>Director</i>
R. A. Seaton	<i>Assistant Director</i>
D. F. Morrison	<i>Supervisor of Leases and Mining Recorder, Edmonton District</i>
D. C. MacMillan	<i>Mining Recorder, Calgary District</i>
A. E. Kynnersley	<i>Supervisor of Revenue</i>

MINES DIVISION

J. A. Dutton	<i>Director</i>
J. Horne	<i>Assistant Director</i>

MINERAL TAXATION DIVISION

E. F. Gilker	<i>Superintendent of Mineral Tax and Chief Assessor</i>
V. L. Scott	<i>Assistant Superintendent of Mineral Tax</i>
J. A. Savage	<i>Assessor, Southern District</i>
W. McGeachie	<i>Assessor, Northern District</i>

TECHNICAL DIVISION

J. M. Novak	<i>Superintendent</i>
E. G. Staniforth	<i>Assistant Superintendent</i>

GEOLOGICAL DIVISION

J. R. Pow	<i>Chief Geologist</i>
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Seventh Annual Report

of the

Department of Mines and Minerals

HONOURABLE ERNEST C. MANNING,
Minister of Mines and Minerals,
Edmonton, Alberta.

Sir:

I have the honour to present the Annual Report of the Department of Mines and Minerals for the fiscal year ending March 31st, 1956.

The year was one of extensive development and exploration activity in the oil and natural gas industry. During the calendar year 1955 there was a record number of development wells completed. Although there was a slight decrease in the number of exploratory wells drilled, the footage drilled in exploration showed an increase reflecting a greater average depth per hole. As drilling in the foothills increases this trend may be expected to continue.

There were 342 exploratory holes drilled in 1955 with an average depth of 5,770 feet. In 1954 exploratory completions totalled 352 and the average depth was 5,178 feet.

Revenue showed a substantial increase over the previous fiscal year. The surplus on income account was \$127,010,815.27 compared with \$97,422,298.01 in the year ending March 31st, 1955.

New pipeline construction during the fiscal year consisted of 200 miles of gathering line and a trunk line connecting the Sturgeon Lake area to the Trans-Mountain Pipeline. Gathering lines were built or extended to serve the Clive, Erskine, Joffre, Pembina, St. Albert and other fields.

Legislation

The Oil and Gas Resources Conservation Act, 1950 was amended to permit areas of land to be described in a simplified form. A new section permits the use of photographs of records as evidence in all proceedings and allows the destruction of documents and other papers after they have been filmed. The fee for assigning a well license was reduced from \$25.00 to \$5.00 and a new section empowers the Board to close an area to the public when a well goes wild or when any other hazardous condition is evident.

The Gas Resources Preservation Act passed in 1949 was repealed and replaced by The Gas Resources Preservation Act, 1956. The new Act brings the statutory provisions up-to-date in the light of the experience of seven years and simplifies administrative procedures. A producer may now make gas purchase contracts with a potential gas exporter prior to the issue of a permit for the removal of gas from Alberta.

The Mineral Titles Clarification Act, 1956, deals with three situations which created uncertainty of title to minerals; firstly, where a road, trail or road allowance diversion was created out of private land before February 12th, 1912, by filing a plan of survey; secondly, whereupon the filing of a plan of subdivision under The Land Titles Act prior to 1950, the original title was cancelled in full; and thirdly, where under tax recovery proceedings, the title to the land including any mines and minerals was cancelled in full and the surface only vested in the name of the taxing authority. The Act came into force on March 29th, 1956. There were no amendments in 1956 to The Mines and Minerals Act or The Right of Entry Arbitration Act.

During the fiscal year three agreements were entered into for unit operation of petroleum and natural gas properties. One agreement pertained to the Leduc formation in the Westrose Field in an area of 3,696 acres in townships 45 and 46, range 28, west of the 4th meridian, and range 1, west of the 5th meridian. The next agreement pertained to all petroleum and natural gas in section 17, township 26, range 6, west of the 5th meridian and the third was confined to the Acheson North D-2 pool in sections 2 and 11 and the south half of section 14, township 53, range 26, west of the 4th meridian.

In order to permit operators of petroleum and natural gas properties to comply with schemes directed or approved by The Petroleum and Natural Gas Conservation Board, twenty-one agreements were made permitting performance of the schemes. One agreement was for the purpose of injecting natural gas through a well into the Woodbend formation of the Leduc Field. Another permitted the injection of water for pressure maintenance purposes into the Cardium formation of the Pembina Field and nineteen agreements authorized the return of salt water produced with petroleum to subsurface formations in the Acheson, Campbell, Chauvin, Excelsior, Golden Spike, Homeglen-Rimbey, Joarcam, Little Smoky, Lloydminster, Stettler, Wainwright, West-Drumheller and Wizard Lake fields.

It was with deep grief that the staff of the Department learned of the sudden death of Mr. Harold Benjamin Grove, Superintendent of the Technical Division, which occurred at his home on December 18th, 1955.

Mr. Grove was born on May 11, 1908 and joined the Public Service with the Department of Lands and Mines as a draughtsman on March 16, 1931. He became Assistant Superintendent of the Technical Division of that Department on December 1, 1942. On April 1, 1949 he was appointed Superintendent of the Tech-

nical Division of the Department of Mines and Minerals. On the formation of this Department he took the leading part in establishing the record books of minerals owned by the Province. These books for years to come will serve as a memory of his conscientious and devoted service.

A separate report is issued yearly by the Mines Division and may be obtained from the Mines Division of this Department in the Natural Resources Building, Edmonton, Alberta.

Detailed reports of the other divisions follow.

All of which is respectfully submitted.

H. H. SOMERVILLE,
Deputy Minister.

November 1, 1956.

Mineral Rights Administration

Report of Director of Mineral Rights

J. W. Patrick

The seventh year of administration by the Department of Mines and Minerals was one of record-breaking achievement.

Footage drilled for petroleum and natural gas during 1955 was 8,444,578 feet. This was an increase of 2,769,819 feet from 1954. The production of crude oil increased to 113,035,046 barrels exceeding the production of 1954 by 25,321,191 barrels. The number of producing wells increased from 5,068 to 6,138 and were capable of maintaining an average daily rate of production of 630,000 barrels at December 31, 1955 under good production practice in accordance with sound engineering and economic principles. Because of inadequate markets the average daily oil produced during the year was only 309,685 barrels, an increase of twenty-nine percent over the previous year. There were 1,730 licenses issued to drill for oil or gas during 1955 compared with 1,304 licenses during the previous year.

Production of coal in Alberta in 1955 decreased by 402,558 tons. This decline in coal production is again chiefly attributable to the loss of markets by the increase in the use of alternate fuels.

The production and value of Alberta's chief minerals for 1955 were crude oil, 113,035,046 barrels valued at \$274,245,952.00; coal, 4,456,578 tons, valued at \$23,486,399.00; natural gas,* 117,195,304 Mcf., valued at \$5,859,765.00; and salt, 36,311 tons, valued at \$1,219,254.00.

Mineral rights, solid, liquid and gaseous, the property of the Crown in the right of the Province, are not sold, but are disposed of by lease, reservation, license, permit or other agreement for limited periods of time. Revenue is obtained from fees, rentals, bonuses, royalties, sales of leases and other miscellaneous charges. During the fiscal year these sources provided a revenue of \$126,947,797.37 being an increase of \$45,578,289.98 from the previous year. Sales of leases and reservations in Crown reserves were held on three occasions in the fiscal year and the revenue from this source increased 39 million dollars.

The Province is divided into two mining districts: the Edmonton district comprises that portion of the Province lying to the north of the north boundary of Township 42 and the balance of the Province lying to the south is contained in the Calgary district.

*Includes only marketed and consumed gas.

During the year 2,886 applications for mineral rights were filed at the offices of the Mining Recorders in Edmonton and Calgary and at the office of the Department in Edmonton. Many inquiries were made as to the availability of mineral rights, mostly for petroleum and natural gas leases and reservations by personal application and by correspondence.

A tabulation of leases together with statements of business transacted follow.

MINERAL RIGHTS LEASES

Type of Lease	Active at April 1, 1955	Issued	Reinstated	Divided	Cancelled	Renewed	Active at March 31, 1956
Petroleum and Natural Gas	23,283	1,872	104	186	1,969	35	23,441
Natural Gas	178	54	1	1	1	...	233
Coal	542	33	...	...	28	20	527
Road Allowance Coal	134	9	...	...	1	3	139
Quarrying	32	9	...	...	1	...	40
Salt	2	...	...	...	...	...	2
Bituminous Sands	1	8	...	...	...	...	9
Miscellaneous	3	1	...	...	...	...	4
TOTAL	24,175	1,986	105	187	2,000	58	24,395

ACREAGE CONTAINED IN ABOVE LEASES

Type of Lease	Active at April 1, 1955	Issued	Reinstated	Cancelled	Renewed	Active at March 31, 1956
Petroleum and						
Natural Gas	17,368,598	1,888,117	68,797	1,491,966	7,999	17,825,547
Natural Gas	964,455	242,553	640	16,000	...	1,191,648
Coal	147,778	24,966	...	5,745	23,304	143,695
Quarrying	4,817	1,149	...	160	...	5,806
Salt	1,204	...	...	...	...	1,204
Bituminous Sands	3,898	40,058	...	...	...	43,956
Miscellaneous	3,614	...	...	...	...	3,614
TOTAL	18,494,364	2,196,843	69,437	1,513,871	31,303	19,215,470

STATEMENT OF BUSINESS TRANSACTED, 1955-1956

PETROLEUM AND NATURAL GAS

	Number	Acres
Leases issued	1,872	1,888,117
Leases cancelled and relinquished	1,969	1,491,966
Leases reinstated	104	68,797
Prospecting reservations granted	433	26,352,024
Prospecting reservations terminated	119	4,592,547
Crown reserve drilling reservations granted	69	441,396
Crown reserve drilling reservations terminated	38	190,821
Natural gas licenses issued	16	237,179
Natural gas licenses terminated	11	245,674
Crown reserve natural gas licenses issued	12	197,988
Crown reserve natural gas licenses terminated	14	252,404
Natural gas leases issued	54	242,553
Natural gas leases cancelled and relinquished	1	16,000
Natural gas leases reinstated	1	640
Fees, rentals and bonuses collected	\$21,370,260.30	
Royalties collected	28,794,874.01	
Crown reserve sales	76,074,732.50	
TOTAL	\$126,239,866.81	

COAL

	Number	Acres
Leases issued	33	24.96
Leases cancelled and relinquished	28	5.74
Road Allowance Leases—		
Leases issued	9	
Leases cancelled and relinquished	1	
Fees and rentals collected		\$ 51,930.09
Royalties collected		216,839.64
TOTAL		\$268,769.73

QUARRYING

	Number	Acres
Quarrying leases issued	9	1.14
Quarrying leases cancelled and relinquished	1	16.7
Fees and rentals collected		\$ 173.30
Royalties collected		39,976.57
TOTAL		\$40,149.87

MISCELLANEOUS

	Number	Acres
Bituminous sands leases issued	8	
Bituminous sands permits issued	2	
Bituminous sands permits terminated	5	
Bituminous sands permits renewed	2	
Permits to collect bitumen renewed	1	
Quartz		
Claims recorded	115	
Certificates of Work issued	64	
Certificates of Partnership issued	1	
Powers of Attorney filed	2	
Placer		
Claims recorded	30	
Renewals issued	67	
Powers of Attorney filed	16	
Assignments recorded	29	
Iron prospecting permits issued	2	
Iron prospecting permits cancelled	1	
Special mineral leases issued	1	
Geophysical licenses issued	191	
Permits to operate geophysical equipment issued	27	
Permits to operate geophysical equipment renewed	76	
Mineral sales issued	10	
Well licenses issued	1,929	
Fees, rentals, royalties and		
other miscellaneous charges		\$399,010.96

PETROLEUM AND NATURAL GAS

Leases.—During the year 1,872 petroleum and natural gas leases were granted covering 1,888,117 acres and at the close of the fiscal year a total of 23,441 leases were in existence comprising an area of 17,825,547 acres.

The revenue received from fees amounted to \$19,365.00. The revenue from lease rentals was \$16,359,883.18 and the revenue from bonuses accepted by the Mining Recorders at sales of petroleum and natural gas leases by tender amounted to \$373,365.29.

Order in Council numbered O.C. 877/55 and dated July 13, 1955 provides for first renewals of petroleum and natural gas leases acquired before August 19, 1947 irrespective of whether or not the location is capable of producing petroleum and natural gas in commercial quantity.

Disposal of Crown Reserves.—Petroleum and natural gas rights comprised in Crown reserves may be disposed of by order of the Lieutenant Governor in Council and during the year 20 leases, seven reservations, 69 Crown reserve drilling reserves

tions and twelve Crown reserve natural gas licenses were purchased and particulars of these Crown reserve purchases are included in this report. Particulars of Crown reserve fractional area leases purchased and Crown reserve natural gas leases purchased pursuant to Section 275a of The Mines and Minerals Act are also included.

CROWN RESERVES PURCHASED IN CLIVE AREA

Description	Offer Accepted From:	Cash Purchase Price
16. W. ¼ 10-40-24-4	Sharples Oil (Canada) Ltd.	\$ 65,001.91
		<hr/> \$ 65,001.91

CROWN RESERVES PURCHASED IN ERSKINE AREA

Description	Offer Accepted From:	Cash Purchase Price
1. E. ¼ 6-39-20-4	Tennessee Gas Transmission Company	\$ 178,212.66
8. W. ¼ 6-39-20-4	Colorado Oil and Gas Ltd.	82,854.80
2. W. ¼ 20-39-20-4	Compagnie Francaise Des Petroles	18,555.00
		<hr/> \$ 279,622.46

CROWN RESERVES PURCHASED IN FENN-BIG VALLEY AREA

Description	Offer Accepted From:	Cash Purchase Price
1. E. ¼ 2-37-20-4	Imperial Oil Limited	\$ 70,013.33
80. E. ¼ 2-37-20-4	Imperial Oil Limited	109,903.33
		<hr/> \$ 179,916.66

CROWN RESERVES PURCHASED IN GILBY AREA

Description	Offer Accepted From:	Cash Purchase Price
1. W. ¼ 34-40- 2-5	Dome Exploration (Western) Limited	\$ 3,800.00
10. W. ¼ 34-40- 2-5	Dome Exploration (Western) Limited	6,000.00
		<hr/> \$ 9,800.00

CROWN RESERVES PURCHASED IN HAMILTON LAKE AREA

Description	Offer Accepted From:	Cash Purchase Price
1. ½ 18-35- 9-4	Bailey Selburn Oil & Gas Ltd.	\$ 22,679.93
7. ½ 19-35- 9-4	National Bulk Carriers, Inc.	11,588.10
7. ½ 19-35- 9-4	Calvan Consolidated Oil & Gas Company Limited	7,189.50
1. ½ 7-35- 9-4	National Bulk Carriers, Inc.	5,554.50
1. ½ 9-35- 9-4	National Bulk Carriers, Inc.	7,280.00
		<hr/> \$ 54,292.03

CROWN RESERVES PURCHASED IN JOARCAM AREA

Description	Offer Accepted From:	Cash Purchase Price
1. W. ¼ 10-47-20-4	Bashaw Leduc Oil & Gas Limited	\$ 8,029.00
9. W. ¼ 10-47-20-4	Bashaw Leduc Oil & Gas Limited	14,000.00
		<hr/> \$ 22,029.00

CROWN RESERVES PURCHASED IN IN JOFFRE AREA

Description	Offer Accepted From:	Cash Purchase Price
1. ½ 10-38-25-4	Phillips Petroleum Company	\$ 181,000.00
1. W. ¼ 14-38-25-4	Pacific Western Oil Co. Ltd.	168,100.10
1. ½ 32-38-26-4	Phillips Petroleum Company	164,000.00
1. ½ 4-39-26-4	Consolidated Mic Mac Oils Ltd.	305,000.00
1. W. ¼ 6-39-26-4	Carleton Oils Limited, Canadian Decalta Gas and Oils Limited, Canpet Exploration Limited, Alberta Pacific Consolidated Oils, Limited (Nonpersonal Liability) and Westburne Oil Company Limited	78,000.00
		<hr/> \$ 896,100.10

CROWN RESERVES PURCHASED IN
MALMO AREA

Description	Offer Accepted From:	Cash Purchase Price
N.W. $\frac{1}{4}$ 2-44-22-4	Canadian Gulf Oil Company	\$ 10,142.69
		\$ 10,142.69

CROWN RESERVES PURCHASED IN
PEMBINA AREA

Description	Offer Accepted From:	Cash Purchase Price
S. $\frac{1}{2}$ 3-47- 7-5	The California Standard Company	\$ 451,009.00
S. $\frac{1}{2}$ 4-47- 7-5	The California Standard Company	476,009.00
N. $\frac{1}{2}$ 5-47- 7-5	Seaboard Oil Company	506,184.00
S. $\frac{1}{2}$ 6-47- 7-5	The California Standard Company	484,009.00
S. $\frac{1}{2}$ 17-47- 7-5	The California Standard Company	501,009.00
N. $\frac{1}{2}$ 21-47- 7-5	Seaboard Oil Company	708,160.00
N.W. $\frac{1}{4}$ 4-49- 7-5	The Ohio Oil Company	281,000.00
N.E. $\frac{1}{4}$ 5-49- 7-5	Seaboard Oil Company	292,587.00
W. $\frac{1}{2}$ 30-47- 8-5	New Superior Oils of Canada Limited	375,000.00
N. $\frac{1}{2}$ 31-47- 8-5	Hudson's Bay Oil and Gas Company Limited and Western Provinces Development Ltd.	420,160.00
S.W. $\frac{1}{4}$ 31-47- 8-5	New Superior Oils of Canada Limited	220,000.00
N. $\frac{1}{2}$ 32-47- 8-5	Canadian Bishop Oil, Ltd.	404,000.00
N. $\frac{1}{2}$ 33-47- 8-5	Canadian Bishop Oil, Ltd.	424,200.00
N. $\frac{1}{2}$ 34-47- 8-5	Canadian Bishop Oil, Ltd.	383,800.00
S. $\frac{1}{2}$ 1-48- 8-5	Seaboard Oil Company	708,800.00
N.W. $\frac{1}{4}$ 2-48- 8-5	Colorado Oil and Gas Corporation	253,427.35
S. $\frac{1}{2}$ 2-48- 8-5	Plymouth Oil Company	483,522.00
N.E. $\frac{1}{4}$ 3-48- 8-5	Colorado Oil and Gas Corporation	225,481.71
N.W. $\frac{1}{4}$ 6-48- 8-5	Anglo-Canadian Oil Company Limited	235,830.00
S. $\frac{1}{2}$ 6-48- 8-5	Hudson's Bay Oil and Gas Company Limited and Western Provinces Development Ltd.	420,160.00
W. $\frac{1}{2}$ 11-48- 8-5	United Oils, Limited	444,000.00
N.W. $\frac{1}{4}$ 9-49- 8-5	Scurry Oils Limited	217,000.00
E. $\frac{1}{2}$ 25-47- 9-5	Sun Oil Company	402,700.00
E. $\frac{1}{2}$ 36-47- 9-5	The California Standard Company	427,009.00
E. $\frac{1}{2}$ 12-48- 9-5	Anglo-Canadian Oil Company Limited and Kroy Oils Limited	445,668.00
E. $\frac{1}{2}$ 13-48- 9-5	The Ohio Oil Company	411,000.00
W. $\frac{1}{2}$ 16-48- 9-5	Hales H. Ross and Sons Company Limited	396,501.00
N. $\frac{1}{2}$ 17-47- 7-5	Home Oil Company Limited	785,000.00
N. $\frac{1}{2}$ 20-47- 7-5	Tennessee Gas Transmission Company	852,357.77
S. $\frac{1}{2}$ 20-47- 7-5	Home Oil Company Limited	815,000.00
N. $\frac{1}{2}$ 22-47- 7-5	Home Oil Company Limited	815,000.00
N. $\frac{1}{2}$ 23-47- 7-5	Colorado Oil and Gas Ltd.	451,303.30
S. $\frac{1}{2}$ 27-47- 7-5	Tennessee Gas Transmission Company	641,257.77
N.W. $\frac{1}{4}$ 28-47- 7-5	Canadian Gulf Oil Company	400,111.99
S. $\frac{1}{2}$ 28-47- 7-5	Tennessee Gas Transmission Company	892,257.77
N. $\frac{1}{2}$ 29-47- 7-5	Tennessee Gas Transmission Company	938,412.57
S. $\frac{1}{2}$ 29-47- 7-5	Tennessee Gas Transmission Company	938,412.57
N. $\frac{1}{2}$ 31-47- 7-5	Canadian Seaboard Oil Company	800,127.00
N. $\frac{1}{2}$ 32-47- 7-5	Canadian Seaboard Oil Company	740,643.00
S. $\frac{1}{2}$ 32-47- 7-5	Tennessee Gas Transmission Company	892,257.77
N. $\frac{1}{2}$ 33-47- 7-5	Canadian Seaboard Oil Company	670,053.00
S.W. $\frac{1}{4}$ 33-47- 7-5	Canadian Seaboard Oil Company	368,133.00
S.W. $\frac{1}{4}$ 4-48- 7-5	Canadian Seaboard Oil Company	377,226.00
S. $\frac{1}{2}$ 5-48- 7-5	Canadian Seaboard Oil Company	754,419.00
S. $\frac{1}{2}$ 6-48- 7-5	Canadian Seaboard Oil Company	815,013.00
N. $\frac{1}{2}$ 31-48- 7-5	Home Oil Company Limited	635,000.00
N. $\frac{1}{2}$ 32-48- 7-5	Home Oil Company Limited	635,000.00
S.E. $\frac{1}{4}$ 32-48- 7-5	Home Oil Company Limited	317,500.00
S. $\frac{1}{2}$ 4-49- 7-5	The Ohio Oil Co.	801,000.00
S. $\frac{1}{2}$ 5-49- 7-5	Home Oil Company Limited	635,000.00
W. $\frac{1}{2}$ 26-47- 8-5	Home Oil Company Limited	535,000.00
E. $\frac{1}{2}$ 27-47- 8-5	Tennessee Gas Transmission Company	600,255.55
S.E. $\frac{1}{4}$ 34-47- 8-5	Tennessee Gas Transmission Company	301,625.58
S.W. $\frac{1}{4}$ 35-47- 8-5	Tennessee Gas Transmission Company	320,625.00
N.E. $\frac{1}{4}$ 13-48- 8-5	Home Oil Company Limited	317,500.00
S.E. $\frac{1}{4}$ 24-48- 8-5	Home Oil Company Limited	317,500.00
N. $\frac{1}{2}$ 36-48- 8-5	Canadian Seaboard Oil Company	701,136.00
N. $\frac{1}{2}$ 3-48- 9-5	Canadian Gulf Oil Company	560,111.99
N. $\frac{1}{2}$ 4-48- 9-5	Aquila Petroleum Limited	525,012.66
W. $\frac{1}{2}$ 9-48- 9-5	Atoka Petroleum Limited	520,011.66
S. $\frac{1}{2}$ 2-47- 7-5	Imperial Oil Limited	495,121.57
S. $\frac{1}{2}$ 5-47- 7-5	Sinclair Canada Oil Company	758,411.00
N. $\frac{1}{2}$ 19-47- 7-5	Trans-Canada Explorations Limited	652,400.34
S. $\frac{1}{2}$ 19-47- 7-5	Scurry Oils Limited	675,000.00
N. $\frac{1}{2}$ 18-48- 7-5	Home Oil Company Limited	506,000.00
S. $\frac{1}{2}$ 19-48- 7-5	Home Oil Company Limited	506,000.00
E. $\frac{1}{2}$ 29-48- 7-5	Home Oil Company Limited	581,000.00
N. $\frac{1}{2}$ 15-47- 8-5	Luscar Coals Limited	508,761.00
N. $\frac{1}{2}$ 16-47- 8-5	Canadian Bishop Oil, Ltd.	608,608.00
N. $\frac{1}{2}$ 17-47- 8-5	New Superior Oils of Canada Limited	433,553.00
N. $\frac{1}{2}$ 18-47- 8-5	Sinclair Canada Oil Company	535,411.00
W. $\frac{1}{2}$ 19-47- 8-5	Sinclair Canada Oil Company	511,411.00

CROWN RESERVES PURCHASED IN
PEMBINA AREA (Continued)

Description	Offer Accepted From:	Cash Purchase Price
E. ½ 22-47- 8-5	Home Oil Company Limited	581,000.00
N. ½ 23-47- 8-5	The Ohio Oil Company	581,000.00
	Bailey Selburn Oil & Gas Ltd. and	
N. ½ 24-47- 8-5	Okalta Oils, Limited	643,776.76
	Bailey Selburn Oil & Gas Ltd. and	
S. ½ 24-47- 8-5	Okalta Oils, Limited	642,776.76
	McColl-Frontenac Oil Company Limited	130,011.11
N.E. ¼ 19-48- 8-5	McColl-Frontenac Oil Company Limited	272,011.11
W. ½ 19-48- 8-5	Plymouth Oil Company	526,389.19
N. ½ 20-48- 8-5	Sinclair Canada Oil Company	481,411.00
N. ½ 13-47 9-5	New Superior Oils of Canada	526,553.00
N. ½ 14-47- 9-5	Sinclair Canada Oil Company	511,411.00
E. ½ 24-47- 9-5	Canadian Oil Companies Limited	761,808.00
N. ½ 1-48- 9-5	Imperial Oil Limited	751,123.57
S. ½ 1-48- 9-5	Imperial Oil Limited	725,123.57
N. ½ 2-48- 9-5	Imperial Oil Limited	705,123.57
S. ½ 2-48- 9-5	Canadian Bishop Oil, Ltd.	681,681.00
S. ½ 3-48- 9-5	Home Oil Company Limited	641,000.00
E. ½ 17-48- 9-5	Home Oil Company Limited	666,000.00
W. ½ 21-48- 9-5	Quintus Leaseholds Limited	366,000.00
E. ½ 24-48- 9-5	Canadian Gulf Oil Company	115,039.99
S. ½ 25-48- 9-5	Quintus Leaseholds Limited	513,000.00
S. ½ 26-48- 9-5	Western Provinces Lands Ltd.	563,200.00
S. ½ 27-48- 9-5	New Superior Oils of Canada Limited	661,553.00
S. ½ 28-48- 9-5		<hr/>
		\$50,486,159.55

CROWN RESERVES PURCHASED IN
STETTLER AREA

Description	Offer Accepted From:	Cash Purchase Price
S.E. ¼ 20-38-20-4	Oilwell Operators Limited	\$ 31,260.00
S.W. ¼ 20-38-20-4	Tennessee Gas Transmission Company	10,562.77
E. ½ 30-38-20-4	West Maygill Gas and Oil Limited	71,115.00
		<hr/>
		\$ 112,937.77

CROWN RESERVES PURCHASED IN
STURGEON LAKE AREA

Description	Offer Accepted From:	Cash Purchase Price
E. ½ 28-71-23-5	Texaco Exploration Company	\$ 627,157.00
		<hr/>
		\$ 627,157.00

CROWN RESERVES PURCHASED IN
STURGEON LAKE SOUTH AREA

Description	Offer Accepted From:	Cash Purchase Price
W. ½ 28-68-21-5	Shell Oil Company	\$ 150,075.14
W. ½ 33-68-21-5	Shell Oil Company	251,066.14
W. ½ 4-69-21-5	Shell Oil Company	605,134.75
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		\$ 1,006,276.03

CROWN RESERVES PURCHASED IN
WAINWRIGHT AREA

Description	Offer Accepted From:	Cash Purchase Price
N.W. ¼ 28-45- 6-4	Arthur Bell	\$ 4,384.00
L.S.'s 10, 15, & 16 of	Mill City Petroleums Limited	3,360.00
Sec. 30-45- 6-4		
E. ½ 32-45- 6-4	Lloyd Clinch and Arthur Bell	8,379.00
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		\$ 16,123.00

CROWN RESERVES PURCHASED ELSEWHERE IN
ALBERTA

Description	Offer Accepted From:	Cash Purchase Price
N. ½ 14-35- 7-4	Tennessee Gas Transmission Company	\$ 5,197.77
Sec. 30-26- 8-4	Dome Exploration (Western) Limited	7,090.00
Sec. 33-26- 8-4	Dome Exploration (Western) Limited	10,200.00
E. ½ 16-43-19-4	Canadian Gulf Oil Company	16,358.40
S. ½ 20-43-19-4	Dome Exploration (Western) Limited	21,400.00
E. ½ 18-45-19-4	West Canadian Petroleum Ltd. and Dome Exploration (Western) Limited	8,003.38
S. ½ 22-57-23-4	Union Oil Company of California	7,559.75
Sec. 6-41-24-4	Imperial Oil Limited	46,828.83
S.W. ¼ 22-55-25-4	Union Oil Company of California	2,359.75
N. ½ 8-56-25-4	Union Oil Company of California	9,059.75
W. ½ 16-56-25-4	Union Oil Company of California and Royalite Oil Company, Limited	6,559.75
N. ½ 32-61-25-4	The Ohio Oil Company	32,111.00
S. ½ 5-62-25-4	The Ohio Oil Company	20,111.00
E. ½ 4-36-26-4	Shell Oil Company	81,197.14
S.W. ¼ 14-39-27-4	The California Standard Company	37,000.00
N.W. ¼ 16-39-27-4	Yankee Princess Oils Limited	26,500.00
S.W. ¼ 6- 6-29-4	Canadian Gulf Oil Company	5,641.60
S.W. ¼ 7- 6-29-4	Canadian Gulf Oil Company	5,641.60
Sec. 12- 6-30-4	Montreal Trust Company	50,272.00
L.S.'s 3, 6, 11 and 14 of	Montreal Trust Company	8,603.20
Sec. 23- 6-30-4		
N.W. ¼ 20-14- 2-5	Canadian Gulf Oil Company	5,162.85
N.E. ¼ 4-15- 2-5	Canadian Gulf Oil Company	3,347.19
S. ½ 4-15- 2-5	Canadian Gulf Oil Company	7,027.02
S. ½ 20-33- 2-5	Anglo-Canadian Oil Company Limited, Union Oil Company of California and Kroy Oils Limited	17,170.00
S. ½ 22-33- 2-5	Anglo-Canadian Oil Company Limited, Union Oil Company of California and Kroy Oils Limited	17,170.00
W. ½ 34- 8- 3-5	Union Oil Company of California	6,559.75
S.E. ¼ 3- 9- 3-5	Union Oil Company of California	3,359.75
W. ½ 10- 9- 3-5	Union Oil Company of California	6,559.75
N. ½ 32-57-15-5	Compagnie Francaise des Petroles	8,080.00
S. ½ 7-60-23-5	Peter L. P. MacDonnell	3,600.00
W. ½ 16- 5- 4-4	Canadian Export Gas Ltd.	3,885.42
N.E. ¼ 21- 5- 4-4	Canadian Export Gas Ltd.	1,766.49
S.W. ¼ 21- 5- 4-4	Canadian Export Gas Ltd.	1,766.49
N.W. ¼ 16-49-19-4	Mobil Oil of Canada, Ltd.	1,921.60
S. ½ 20-49-19-4	Mobil Oil of Canada, Ltd.	3,843.20
W. ½ 30-49-19-4	Mobil Oil of Canada, Ltd.	3,843.20
W. ½ 18-52-20-4	Texas Pacific Coal and Oil Company	4,852.54
W. ½ 19-52-20-4	Texas Pacific Coal and Oil Company	4,852.54
S.W. ¼ 30-52-20-4	Texas Pacific Coal and Oil Company	2,426.27
Sec. 3-66-20-4	Union Oil Company of California	6,505.00
Sec. 10-66-20-4	Union Oil Company of California	6,505.00
N.W. ¼ 34-43-22-4	Canadian Gulf Oil Company	36,426.99
S.E. ¼ 18-53-22-4	Sun Oil Company	4,151.49
N. ½ 20-53-22-4	Sun Oil Company	9,955.20
S.W. ¼ 20-53-22-4	Sun Oil Company	4,177.60
W. ½ 16-40-23-4	Canadian Gulf Oil Company	4,836.99
S. ½ 20-40-23-4	Sun Oil Company	5,872.00
N.W. ¼ 12-56-23-4	Harry Bass Oil Company	4,240.00
(Except gas in Viking Sandstone Zone)		
N. ½ 32-54-25-4	The British American Oil Company Limited	33,116.00
N.E. ¼ 10-55-25-4	The British American Oil Company Limited	16,117.00
Sec. 32-13-26-4	Compagnie Francaise des Petroles	17,555.00
S. ½ 4-14-26-4	Compagnie Francaise des Petroles	8,555.00
N. ½ 32- 5-29-4	Canadian Gulf Oil Company	20,297.99
S. ½ 4- 6-29-4	Canadian Gulf Oil Company	11,555.99
S.E. ¼ 6- 6-29-4	Canadian Gulf Oil Company	10,148.99
S.W. ¼ 6-22- 1-5	Hudson's Bay Oil and Gas Company Limited	2,521.60
N.W. ¼ 11-22- 1-5	Hudson's Bay Oil and Gas Company Limited	4,921.60
N.E. ¼ 12-22- 1-5	Hudson's Bay Oil and Gas Company Limited	2,504.84
S.W. ¼ 5-11- 2-5	Triad Oil Co. Ltd.	6,275.99
S.E. ¼ 6-11- 2-5	Triad Oil Co. Ltd.	6,237.99
Sec. 32-30- 4-5	Compagnie Francaise des Petroles	41,555.00
E. ½ 36-30- 5-5	W. T. Hamilton	21,555.00
S. ½ 18-35- 5-5	Plymouth Oil Company	24,057.00
S. ½ 20-35- 5-5	Plymouth Oil Company	22,856.00
S. ½ 30-35- 5-5	Plymouth Oil Company	21,650.00
Sec. 16-46- 6-4	Nuco Petroleum Ltd. and Hartford Petroleum Ltd.	13,305.66
N. ½ 14-40-16-4	Canadian Gulf Oil Company	10,301.81
N.W. ¼ 4-55-25-4	The British American Oil Company Limited	10,143.00
S.E. ¼ 4-55-25-4	The British American Oil Company Limited	9,016.00
S. ½ & L.S. 11 and 12 of	Stephen Payson Burden	6,620.00
Sec. 16-20-28-4		

CROWN RESERVES PURCHASED ELSEWHERE IN ALBERTA (Continued)

Description	Offer Accepted From:	Cash Purchase Price
N.W. ¼ 22-20-28-4	Sun Oil Company	3,360.00
S.E. ¼ 22-20-28-4	Stephen Payson Burden	2,648.00
E. ½ & L.S.'s 3, 4, 5, 12 & 13 of Sec. 19-13- 2-5	Canadian Gulf Oil Company	40,176.58
Sec. 30-29- 4-5	Canadian Gulf Oil Company	52,474.78
N. ½ 29-31- 4-5	Home Oil Company Limited	270,102.51
N. ½ 30-31- 4-5	Shell Oil Company	55,102.00
W. ½ 32-31- 4-5	Home Oil Company Limited	270,102.51
Sec. 22-40- 9-5	Compagnie Francaise des Petroles	35,777.55
		<hr/>
		\$ 1,648,170.64

PETROLEUM AND NATURAL GAS RESERVATIONS PURCHASED IN PROVINCIAL RESERVES

Description	Offer Accepted From:	Cash Purchase Price
Sections 5, 6 and 7, Sections 17 to 20 inclusive, Sections 29 to 33 inclusive in Township 5, Range 13, West 4th Meridian; Sections 4 to 7 inclusive, Section 9, Sections 16 to 21 inclusive, Sections 28 to 33 inclusive in Township 6, Range 13, West 4th Meridian; Sections 1, 12, 13, 24, 25, 35 and 36 in Township 5, Range 14, West 4th Meridian; Sections 1 to 4 inclusive, Sections 9 to 16 inclusive, Sections 21 to 25 inclusive, the N.E. ¼ of Section 26, Sections 27 and 28, Sections 33 to 36 inclusive in Township 6, Range 14, West 4th Meridian—37,920 acres, located in Crow Indian Lake Provincial Reserve.	Canadian Fina Oil Limited	\$ 9,675.75
All Township 49, Range 12, West 5th Meridian; All Township 50, Range 12, West 5th Meridian; All Township 49, Range 13, West 5th Meridian; All Township 50, Range 13, West 5th Meridian—92,160 acres, located in Cynthia Provincial Reserve.	The California Standard Company	10,500,002.00
All Township 56, Range 1, West 6th Meridian; All Township 57, Range 1, West 6th Meridian; All Township 56, Range 2, West 6th Meridian;		
All Township 57, Range 2, West 6th Meridian—92,160 acres, located in Smoky River Provincial Reserve.	Imperial Oil Limited	699,933.33
All Township 58, Range 1, West 6th Meridian; All Township 59, Range 1, West 6th Meridian; All Township 58, Range 2, West 6th Meridian; All Township 59, Range 2, West 6th Meridian—92,160 acres, located in Smoky River Provincial Reserve.	Texaco Exploration Company	518,860.80
All Township 60, Range 1, West 6th Meridian; All Township 61, Range 1, West 6th Meridian; All Township 60, Range 2, West 6th Meridian; All Township 61, Range 2, West 6th Meridian—92,160 acres, located in Smoky River Provincial Reserve.	Sinclair Canada Oil Company	806,751.11
All Township 60, Range 3, West 6th Meridian; All Township 61, Range 3, West 6th Meridian; All Township 60, Range 4, West 6th Meridian; All Township 61, Range 4, West 6th Meridian—92,160 acres, located in Smoky River Provincial Reserve.	Texaco Exploration Company	417,484.80
All Township 60, Range 5, West 6th Meridian; All Township 61, Range 5, West 6th Meridian; All Township 60, Range 6, West 6th Meridian; All Township 61, Range 6, West 6th Meridian—92,160 acres, located in Smoky River Provincial Reserve.	The California Standard Company	250,335.00
		<hr/> \$13,203,042.79

CROWN RESERVE NATURAL GAS LICENSES PURCHASED

Area	Offer Accepted From:	Cash Purchase Price
Comprising 28,960 acres in Townships 4 and 5, Ranges 6 and 7, West of the 4th Meridian and Township 5, Range 8, West of the 4th Meridian.	New British Dominion Oil Company Limited	\$ 24,402.62
Comprising 7,200 acres in Townships 4 and 5, Range 8, West of the 4th Meridian and Townships 4 and 5, Range 9, West of the 4th Meridian.	Canadian-Montana Gas Company Limited	39,675.00
Comprising 18,560 acres in Townships 54 and 55, Range 13, West of the 4th Meridian, Townships 54 and 55, Range 14 West of the 4th Meridian and Township 56, Range 14, West of the 4th Meridian.	Western Leaseholds Ltd.	27,500.00
Comprising 37,687 acres in Township 12, Range 18, West of the 4th Meridian, Townships 10, 11 and 12, Range 19, West of the 4th Meridian and Townships 10 and 11, Range 20, West of the 4th Meridian.	Western Leaseholds Ltd.	13,800.00
Comprising 28,781 acres in Townships 17, 18 and 19, Range 18, West of the 4th Meridian and Townships 18 and 19, Range 19, West of the 4th Meridian.	Anglo-Canadian Oil Company Limited, The Calgary & Edmonton Corporation Limited & Security Freehold Petroleums Limited	15,310.95
Comprising 11,520 acres in Township 22, Range 3, West of the 4th Meridian.	Bailey Selburn Oil & Gas Ltd.	14,883.87
Comprising 6,560 acres in Township 3, Ranges 5 and 6, West of the 4th Meridian.	Canadian-Montana Gas Company Limited	7,050.00
Comprising 5,600 acres in Township 1, Range 10, West of the 4th Meridian.	Charles Becker	11,760.00
Comprising 16,960 acres in Townships 20 and 21, Range 4, West of the 4th Meridian.	Bailey Selburn Oil & Gas Ltd.	14,166.00
Comprising 11,680 acres in Township 30, Range 5, West of the 4th Meridian.	West Maygill Gas and Oil Limited	9,150.00
Comprising 8,160 acres in Townships 34 and 35, Range 25, West of the 4th Meridian and Townships 34 and 35, Range 26, West of the 4th Meridian.	Amurex Oil Company	301,333.66
Comprising 16,320 acres in Township 78, Ranges 9 and 10, West of the 6th Meridian.	Okalta Oils, Limited and Canpet Exploration Ltd.	18,441.60
		<hr/> \$ 497,473.70

CROWN RESERVE DRILLING RESERVATIONS PURCHASED

Description	Offer Accepted From:	Cash Purchase Price
Located in Townships 23 and 24, Ranges 5 and 6, W. 4th Meridian, comprising 5,120 acres; requiring the drilling of a well into the Banff formation to acquire five quarter sections under petroleum and natural gas lease.	Canada-Cities Service Petroleum Corporation	\$ 20,724.88
Located in Township 38, Range 13, W. 4th Meridian, comprising 2,870 acres; requiring the drilling of a well into the Viking zone to acquire five quarter sections under petroleum and natural gas lease.	Canadian Fina Oil Limited	9,600.00
Located in Township 1, Ranges 18 and 19, W. 4th Meridian, comprising 3,274 acres; requiring the drilling of a well into a zone of Mississippian age to acquire five quarter sections under petroleum and natural gas lease.	Socony-Vacuum Oil Co. of Canada, Ltd.	7,516.16
Located in Townships 31 and 32, Ranges 19 and 20, W. 4th Meridian, comprising 6,881 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire seven quarter sections under petroleum and natural gas lease.	The British American Oil Company Limited	5,768.00
Located in Townships 32 and 33, Range 19, W. 4th Meridian, comprising 6,389 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire seven quarter sections under petroleum and natural gas lease.	The British American Oil Company Limited	11,401.60
Located in Townships 57 and 58, Range 22, W. 4th Meridian, comprising 2,395 acres; requiring the drilling of a well into the zone immediately above the Pre-Cambrian granite to acquire eight quarter sections under petroleum and natural gas lease.	Imperial Oil Limited	12,941.81
Located in Townships 65 and 66, Range 24, W. 4th Meridian, comprising 5,086 acres; requiring the drilling of a well into the Cooking Lake member of the Woodbend formation to acquire six quarter sections under petroleum and natural gas lease.	The British American Oil Company Limited	4,876.80
Located in Township 26, Ranges 1 and 2, W. 5th Meridian, comprising 8,666 acres; requiring the drilling of a well into the Shunda member of the Rundle group to acquire twelve quarter sections under petroleum and natural gas lease.	Oilwell Operators Limited	43,222.00
Located in Townships 26 and 27, Ranges 2 and 3, W. 5th Meridian, comprising 7,705 acres; requiring the drilling of a well into the Shunda member of the Rundle group to acquire fourteen quarter sections under petroleum and natural gas lease.	Oilwell Operators Limited	158,672.00
Located in Township 35, Ranges 3 and 4, W. 5th Meridian, comprising 6,603 acres; requiring the drilling of a well into the Cardium formation to acquire eight quarter sections under petroleum and natural gas lease.	Canadian Gulf Oil Company	75,472.25

CROWN RESERVE DRILLING RESERVATIONS PURCHASED (Continued)

Description	Offer Accepted From:	Cash Purchase Price
Located in Township 40, Range 3 and Townships 39 and 40, Range 4, W. 5th Meridian, comprising 6,761 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire eleven quarter sections under petroleum and natural gas lease.	Texaco Exploration Company	250,125.00
Located in Township 15, Ranges 4 and 5, W. 5th Meridian, comprising 9,600 acres; requiring the drilling of a well into the Rundle group to acquire fourteen quarter sections under petroleum and natural gas lease.	Phillips Petroleum Company	106,656.00
Located in Townships 23, 24 and 25, Range 5 and Townships 24 and 25, Range 6, W. 5th Meridian, comprising 9,073 acres; requiring the drilling of a well into the Rundle group to acquire fourteen quarter sections under petroleum and natural gas lease.	Shell Oil Company	20,022.40
Located in Townships 26 and 27, Range 7, W. 5th Meridian, comprising 11,079 acres; requiring the drilling of a well into the Rundle group to acquire fourteen quarter sections under petroleum and natural gas lease.	Shell Oil Company	30,022.40
Located in Township 88, Range 23, W. 5th Meridian, comprising 6,400 acres; requiring the drilling of a well into the zone immediately above the Pre-Cambrian granite to acquire nine quarter sections under petroleum and natural gas lease.	Great Plains Development Company of Canada, Ltd.	37,828.80
Located in Township 88, Range 24, W. 5th Meridian, comprising 6,720 acres; requiring the drilling of a well into the zone immediately above the Pre-Cambrian granite to acquire nine quarter sections under petroleum and natural gas lease.	Great Plains Development Company of Canada, Ltd.	21,700.80
Located in Township 74, Range 26, W. 5th Meridian and Townships 73 and 74, Range 1, W. 6th Meridian, comprising 9,180 acres; requiring the drilling of a well into the zone immediately above the Pre-Cambrian granite to acquire fourteen quarter sections under petroleum and natural gas lease.	Amerada Petroleum Corporation	57,859.20
Located in Township 72, Range 26, W. 5th Meridian and Townships 72 and 73, Range 1, W. 6th Meridian, comprising 9,919 acres; requiring the drilling of a well into the zone immediately above the Pre-Cambrian granite to acquire fourteen quarter sections under petroleum and natural gas lease.	Amerada Petroleum Corporation	57,859.20
Located in Township 3, Range 4, W. 4th Meridian, comprising 5,131 acres; requiring the drilling of a well into a zone of Mississippian age to acquire six quarter sections under petroleum and natural gas lease.	Dome Exploration (Western) Limited	13,177.00
Located in Townships 25 and 26, Range 8, W. 4th Meridian, comprising 3,840 acres; requiring the drilling of a well into the Jefferson formation to acquire six quarter sections under petroleum and natural gas lease.	The British American Oil Company Limited	3,846.75
Located in Township 31, Ranges 9 and 10, W. 4th Meridian, comprising 6,096 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire six quarter sections under petroleum and natural gas lease.	Charter Oil Company Limited	3,230.88

CROWN RESERVE DRILLING RESERVATIONS PURCHASED

(Continued)

Description	Offer Accepted From:	Cash Purchase Price
Located in Townships 29 and 30, Range 20, W. 4th Meridian, comprising 4,638 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire seven quarter sections under petroleum and natural gas lease.	Canadian Gulf Oil Company	125,040.48
Located in Township 30, Range 21, W. 4th Meridian, comprising 4,502 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire seven quarter sections under petroleum and natural gas lease.	Imperial Oil Limited	417,263.51
Located in Townships 16 and 17, Ranges 1 and 2 and Township 18, Range 2, W. 5th Meridian, comprising 8,281 acres; requiring the drilling of a well into a zone of Mississippian age to acquire fourteen quarter sections under petroleum and natural gas lease.	Husky Oil & Refining Ltd.	10,522.22
Located in Township 27, Ranges 2 and 3, W. 5th Meridian, comprising 9,640 acres; requiring the drilling of a well into the Shunda member of the Rundle group to acquire fourteen quarter sections under petroleum and natural gas lease.	Triad Oil Co. Ltd.	338,777.60
Located in Townships 27 and 28, Ranges 2 and 3, W. 5th Meridian, comprising 9,603 acres; requiring the drilling of a well into the Shunda member of the Rundle group to acquire fourteen quarter sections under petroleum and natural gas lease.	Shell Oil Company	206,173.00
Located in Townships 9 and 10, Range 3, W. 5th Meridian, comprising 5,280 acres; requiring the drilling of a well into a zone of Mississippian age to acquire ten quarter sections under petroleum and natural gas lease.	Union Oil Company of California	50,155.00
Located in Townships 47 and 48, Range 3 and Township 48, Range 4, W. 5th Meridian, comprising 5,459 acres; requiring the drilling of a well into a zone of Mississippian age to acquire eight quarter sections under petroleum and natural gas lease.	Texaco Exploration Company	21,250.00
Located in Township 37, Ranges 9 and 10 and Township 38, Range 10, W. 5th Meridian, comprising 11,520 acres; requiring the drilling of a well into the Rundle group to acquire fourteen quarter sections under petroleum and natural gas lease.	Canadian Gulf Oil Company	75,801.60
Located in Townships 56 and 57, Ranges 13 and 14, W. 5th Meridian, comprising 8,813 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire fourteen quarter sections under petroleum and natural gas lease.	Union Oil Company of California	65,155.00
Located in Township 75, Range 18 and Townships 74 and 75, Range 19, W. 5th Meridian, comprising 8,249 acres; requiring the drilling of a well into the zone immediately above the Pre-Cambrian granite to acquire ten quarter sections under petroleum and natural gas lease.	Triad Oil Co. Ltd.	51,285.00

CROWN RESERVE DRILLING RESERVATIONS PURCHASED

(Continued)

Description	Offer Accepted From:	Cash Purchase Price
Located in Township 85, Ranges 18 and 19, W. 5th Meridian, comprising 5,107 acres; requiring the drilling of a well into the zone immediately above the Pre-Cambrian granite to acquire nine quarter sections under petroleum and natural gas lease.	Shell Oil Company	38,693.00
Located in Townships 85 and 86, Range 18 and Township 85, Range 19, W. 5th Meridian, comprising 5,096 acres; requiring the drilling of a well into the zone immediately above the Pre-Cambrian granite to acquire nine quarter sections under petroleum and natural gas lease.	Shell Oil Company	38,693.00
Located in Township 57, Range 6, W. 4th Meridian, comprising 5,121 acres; requiring the drilling of a well into the Cambrian sediments to acquire seven quarter sections under petroleum and natural gas lease.	Canadian Seaboard Oil Company	13,440.00
Located in Township 44, Range 11 and Townships 43 and 44, Range 12, W. 4th Meridian, comprising 4,484 acres; requiring the drilling of a well into the Cooking Lake member of the Woodbend formation to acquire six quarter sections under petroleum and natural gas lease.	The California Standard Company	39,361.20
Located in Townships 41 and 42, Ranges 12 and 13, W. 4th Meridian, comprising 3,662 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire five quarter sections under petroleum and natural gas lease.	Richfield Oil Corporation	527,356.18
Located in Township 43, Ranges 12 and 13, W. 4th Meridian, comprising 4,232 acres; requiring the drilling of a well into the Cooking Lake member of the Woodbend formation to acquire six quarter sections under petroleum and natural gas lease.	The California Standard Company	20,160.70
Located in Township 43, Range 13 and Townships 42 and 43, Range 14, W. 4th Meridian, comprising 3,486 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire five quarter sections under petroleum and natural gas lease.	Richfield Oil Corporation	18,654.73
Located in Townships 34 and 35, Range 18, W. 4th Meridian, comprising 4,562 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire seven quarter sections under petroleum and natural gas lease.	The California Standard Company	28,336.09
Located in Townships 30 and 31, Range 21, W. 4th Meridian, comprising 5,616 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire eight quarter sections under petroleum and natural gas lease.	Imperial Oil Limited	320,111.11
Located in Townships 40 and 41, Range 21, and Townships 41 and 42, Range 22, W. 4th Meridian, comprising 4,788 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire eight quarter sections under petroleum and natural gas lease.	Home Oil Company Limited	225,000.00

CROWN RESERVE DRILLING RESERVATIONS PURCHASED (Continued)

Description	Offer Accepted From:	Cash Purchase Price
Located in Township 60, Range 22, W. 4th Meridian, comprising 3,513 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire five quarter sections under petroleum and natural gas lease.	El Centro Drilling Limited	878.25
Located in Townships 32 and 33, Ranges 26 and 27, W. 4th Meridian, comprising 6,880 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire ten quarter sections under petroleum and natural gas lease.	Canadian Oil Companies Limited and Plymouth Oil Company	20,130.00
Located in Townships 60 and 61, Range 26, W. 4th Meridian, comprising 6,560 acres; requiring the drilling of a well into the zone immediately above the Pre-Cambrian granite to acquire ten quarter sections under petroleum and natural gas lease.	Imperial Oil Limited	21,712.22
Located in Townships 38 and 39, Range 27, and Township 38, Range 28, W. 4th Meridian, comprising 7,195 acres; requiring the drilling of a well into the Cooking Lake member of the Woodbend formation to acquire ten quarter sections under the petroleum and natural gas lease.	Bailey Selburn Oil & Gas Ltd. and Crows Nest Pass Oil & Gas Ltd.	1,464,618.22
Located in Townships 26 and 27, Ranges 3 and 4 and Township 28, Range 4, W. 5th Meridian, comprising 9,640 acres; requiring the drilling of a well into the Shunda member of the Rundle group to acquire fourteen quarter sections under petroleum and natural gas lease.	Bailey Selburn Oil & Gas Ltd. and Crows Nest Pass Oil & Gas Ltd.	8,451.11
Located in Township 41, Ranges 3 and 4, W. 5th Meridian, comprising 6,558 acres; requiring the drilling of a well into a zone of Mississippian age to acquire nine quarter sections under petroleum and natural gas lease.	Hudson's Bay Oil and Gas Company Limited	605,174.00
Located in Township 48, Ranges 3 and 4, W. 5th Meridian, comprising 6,882 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire ten quarter sections under petroleum and natural gas lease.	Canada-Cities Service Petroleum Corporation	17,783.00
Located in Township 42, Range 11 and Townships 42 and 43, Range 12, W. 5th Meridian, comprising 11,840 acres; requiring the drilling of a well into the Shunda member of the Rundle group to acquire fourteen quarter sections under petroleum and natural gas lease.	Compagnie Francaise Des Petroles	35,555.55
Located in Township 84, Range 15 and Townships 83 and 84, Range 16, W. 5th Meridian, comprising 8,000 acres; requiring the drilling of a well into the zone immediately above the Pre-Cambrian granite to acquire nine quarter sections under petroleum and natural gas lease.	The California Standard Company	26,666.66
Located in Township 83, Range 16, W. 5th Meridian, comprising 6,400 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire eight quarter sections under petroleum and natural gas lease.	Winter Oil Company	98,240.00

CROWN RESERVE DRILLING RESERVATIONS PURCHASED (Continued)

Description	Offer Accepted From:	Cash Purchase Price
Located in Townships 70 and 71, Ranges 22 and 23, W. 5th Meridian, comprising 8,519 acres; requiring the drilling of a well into the zone immediately above the Pre-Cambrian granite to acquire twelve quarter sections under petroleum and natural gas lease.	Mobil Oil of Canada, Ltd.	83,583.83
Located in Township 80, Ranges 22 and 23, W. 5th Meridian, comprising 7,044 acres; requiring the drilling of a well into the zone immediately above the Pre-Cambrian granite to acquire ten quarter sections under petroleum and natural gas lease.	Canada Oil Lands Ltd.	22,111.06
Located in Township 78, Range 25, W. 5th Meridian, comprising 7,641 acres; requiring the drilling of a well into the zone immediately above the Pre-Cambrian granite to acquire eleven quarter sections under petroleum and natural gas lease.	Hudson's Bay Oil and Gas Company Limited and Union Oil Company of California	9,257.60
Located in Township 79, Range 24 and Townships 78 and 79, Range 25, W. 5th Meridian, comprising 8,016 acres; requiring the drilling of a well into the zone immediately above the Pre-Cambrian granite to acquire eleven quarter sections under petroleum and natural gas lease.	Hudson's Bay Oil and Gas Company Limited and Union Oil Company of California	9,257.60
Located in Township 78, Range 1, W. 6th Meridian, comprising 4,468 acres; requiring the drilling of a well into a zone of Mississippian age to acquire seven quarter sections under petroleum and natural gas lease.	Canadian Gulf Oil Company	58,229.99
Located in Township 90, Range 1 and Townships 90 and 91, Range 2, W. 6th Meridian, comprising 7,680 acres; requiring the drilling of a well into the zone immediately above the Pre-Cambrian granite to acquire eleven quarter sections under petroleum and natural gas lease.	Canadian Fina Oil Ltd. and Stanolind Oil and Gas Company	39,936.00
Located in Townships 48 and 49, Range 1, W. 4th Meridian, comprising 5,241 acres; requiring the drilling of a well into the strata of Devonian age to acquire eight quarter sections under petroleum and natural gas lease.	Husky Oil & Refining Ltd.	3,011.00
Located in Township 13, Ranges 17 and 18, W. 4th Meridian, comprising 3,200 acres; requiring the drilling of a well into the Pekisko formation to acquire five quarter sections under petroleum and natural gas lease.	Home Oil Company Limited	5,500.00
Located in Township 15, Ranges 18 and 19 and Township 16, Range 19, W. 4th Meridian, comprising 3,840 acres; requiring the drilling of a well into the Shunda member of the Rundle group to acquire six quarter sections under petroleum and natural gas lease.	Great Plains Development Company of Canada, Ltd.	17,057.26
Located in Townships 15 and 16, Range 24, W. 4th Meridian, comprising 4,996 acres; requiring the drilling of a well into a zone of Mississippian age to acquire eight quarter sections under petroleum and natural gas lease.	The British American Oil Company Limited	12,831.00

CROWN RESERVE DRILLING RESERVATIONS PURCHASED

(Continued)

Description	Offer Accepted From:	Cash Purchase Price
Located in Township 39, Ranges 25 and 26, W. 4th Meridian, comprising 5,615 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire eight quarter sections under petroleum and natural gas lease.	Canadian Oil Companies, Limited	30,438.40
Located in Townships 41 and 42, Ranges 25 and 26, W. 4th Meridian, comprising 4,478 acres; requiring the drilling of a well into the Wabamun formation to acquire seven quarter sections under petroleum and natural gas lease.	Great Plains Development Company of Canada, Ltd.	45,772.37
Located in Townships 34 and 35, Ranges 27 and 28, W. 4th Meridian, comprising 6,506 acres; requiring the drilling of a well into the Cooking Lake member of the Woodbend formation to acquire ten quarter sections under petroleum and natural gas lease.	Plymouth Oil Company and Canadian Oil Companies, Limited	20,208.00
Located in Townships 36 and 37, Range 27, W. 4th Meridian, comprising 6,880 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire ten quarter sections under petroleum and natural gas lease.	Imperial Oil Limited	318,681.29
Located in Township 68, Range 1, W. 5th Meridian, comprising 4,160 acres; requiring the drilling of a well into the Leduc member of the Woodbend formation to acquire six quarter sections under petroleum and natural gas lease.	Bradley Oil Corporation Limited	2,750.00
Located in Township 58, Ranges 2 and 3, W. 5th Meridian, comprising 4,160 acres; requiring the drilling of a well into the Wabamun formation to acquire six quarter sections under petroleum and natural gas lease.	Somerset Oils Ltd.	4,934.40
Located in Townships 52 and 53, Ranges 5 and 6, W. 5th Meridian, comprising 8,797 acres; requiring the drilling of a well into the Cambrian sediments to acquire twelve quarter sections under petroleum and natural gas lease.	Imperial Oil Limited and Canadian Superior Oil of California Ltd.	46,282.22
Located in Township 39, Range 13, and Township 37, Range 14, W. 5th Meridian, comprising 5,760 acres; requiring the drilling of a well into the Flume formation to acquire nine quarter sections under petroleum and natural gas lease.	Triad Oil Co. Ltd.	22,010.62
		<hr/> \$ 6,634,815.04

CROWN RESERVE FRACTIONAL AREA LEASES PURCHASED

Description	Offer Accepted From:	Cash Purchase Price
That portion of L.S. 11 of Section 26-46-28-4 designated as Pigeon Lake on a plan of survey of Pigeon Lake Indian Reserve No. 138A confirmed by R. Thistlethwaite, Surveyor General, at Ottawa on the 4th day of March and the 13th day of August 1954 — 12.1 acres.	Texaco Exploration Company	\$ 30,087.86
That portion of L.S. 11 of Section 3-44-22 W. 4th Meridian, designated as Red Deer Lake (No. 7) by a plan of survey of the said Township, confirmed by E. Deville, Surveyor General, at Ottawa on the 13th day of April, 1894—14.3 acres.	Imperial Oil Limited	13,706.12

MINERAL RIGHTS ADMINISTRATION

29

Description	Offer Accepted From:	Cash Purchase Price
All those portions of what would be if surveyed pursuant to The Alberta Surveys Act, the North East quarter of Section 17, Township 26, Range 6, W. 5th Meridian and the Westerly half of the Road Allowance adjoining the Easterly Boundary of the said quarter section lying within Lot 6 of the Morleyville Settlement—1.65 acres.	Shell Oil Company	22.28
Those portions of the N.W. $\frac{1}{4}$ and the S.E. $\frac{1}{4}$ of Section 15, Township 39, Range 27, W. 4th Meridian designated as Blindman River by the plan of survey of the said Township confirmed by E. Deville, Surveyor General at Ottawa on the 17th day of April, 1885—14 acres.	Imperial Oil Limited	12,815.46
Those portions of L.S.'s 9 and 16 of Section 12 and those portions of L.S.'s 1, 8, 9 and 16 of Section 13 lying without the boundary of Indian Reserve No. 154 of Township 70, Range 23, W. 5th Meridian—136 acres.	Mobil Oil of Canada, Ltd.	5,920.08
Those portions of L.S.'s 5, 6, 7, 8, 9 and 16 of Section 1, those portions of L.S.'s 6, 7 and 8 of Section 2 and those portions of L.S.'s 1 and 8 of Section 12 lying without the boundary of Indian Reserve No. 154 of Township 70, Range 23, W. 5th Meridian—143.8 acres.	Amerada Petroleum Corporation	6,259.61
		\$ 68,811.41

CROWN RESERVE NATURAL GAS LEASES PURCHASED

(Pursuant to The Mines and Minerals Act

Section 275a Subsection (1a) Clause (b).)

Description	Offer Accepted From:	Cash Purchase Price
Those portions of L.S.'s 12, 13 and 14 of Section 14 designated as Pigeon Lake on a plan of survey of Subdivision of Pigeon Lake Indian Reserve No. 138A confirmed at Ottawa on the 4th day of March and the 13th day of August 1954 by R. Thistlethwaite, Surveyor General.		
Those portions of the said L.S.'s 12, 13 and 14 of the said Section 14 designated as streets, avenues and lanes on a plan of Ma-Me-O Beach of record in the Northern Alberta Land Registration District at Edmonton as No. 2414 CL.		
That portion of the said Legal Subdivision 12 of the said Section 14 designated as Block 12 on the said plan of Ma-Me-O Beach of record in the Northern Alberta Land Registration District at Edmonton as No. 2414 CL.—36.82 acres.	Stanolind Oil and Gas Company	\$ 2,900.25
All that portion of S.E. $\frac{1}{4}$ of Section 13, Township 56, Range 25, W. 4th Meridian designated as Lake No. 1 as shown on a plan of survey of the said Township, approved and confirmed by E. Deville, Surveyor General, at Ottawa, on the 11th day of March, 1901—1.75 acres.	Imperial Oil Limited	57.42
		\$ 2,957.67

Reservations.—During the fiscal year 433 reservations were issued covering an area of 26,352,024 acres and at the close of the year 945 reservations were active containing an area of 55,448,711 acres.

The revenue from reservation fees amounted to \$108,749.40, for extending reservations amounted to \$3,314,973.21 and the revenue from bonuses accepted by the Director of Mineral Rights at sales of petroleum and natural gas reservations by tender amounted to \$635,600.85.

Credit of not in excess of fifty per cent of the approved expenditures incurred in geophysical examinations including drilling on petroleum and natural gas reservations may apply to the rental for one year of any lease or leases acquired out of the reservation and during the fiscal year under review rentals of \$1,543,737.12 were satisfied from such expenditures.

Three Orders in Council were passed amending the Petroleum and Natural Gas Reservation Regulations, the first of which was Order in Council numbered O.C. 1254/55 and dated October 7, 1955 which clarified the method of making application and does away with the necessity of supplying a report as to the geology of the area under application. This Order in Council also makes clear that a reservation conveys the right to drill wells for petroleum and natural gas and the right to produce the same.

Order in Council numbered O.C. 81/56 and dated January 26, 1956 provides that the holder of a reservation may assign the reservation with the consent in writing of the Minister.

Order in Council numbered O.C. 258/56 and dated March 1, 1956 provides that the maximum number of reservations that may be held by a person at any one time by application under these regulations shall not exceed two.

Crown Reserve Drilling Reservations.—During the fiscal year 69 drilling reservations were issued covering an area of 441,396 acres and at the close of the year 86 were active containing an area of 556,977 acres.

The revenue from drilling reservation fees amounted to \$17,250.00, from rentals \$248,599.00 and the revenue from accepted offers at sales of Crown reserve drilling reservations amounted to \$6,634,815.44.

Credit may be granted for expenditures incurred in drilling a well on a drilling reservation and applied in satisfaction of the first year's rental. During the fiscal year rental on leases acquired out of the reservation of \$23,503.00 were satisfied by credit.

Two Orders in Council were passed amending the Crown Reserve Drilling Reservation Regulations, the first of which was Order in Council numbered O.C. 1257/55 and dated October 7, 1955 which makes clear that a Crown Reserve Drilling Reservation conveys the right to drill wells for petroleum and natural gas and the right to produce the same.

Order in Council numbered O.C. 82/56 and dated January 24, 1956 provides that the holder of a Crown Reserve Drilling Reservation may assign the reservation with the consent in writing of the Minister.

Natural Gas Licenses.—Sixteen natural gas licenses covering an area of 237,179 acres were issued during the fiscal year and at the close of the year seventeen licenses were active containing an area of 449,352 acres. The revenue from fees was \$3,750.00 and from rentals was \$40,960.75. Credit may be granted for expenditures incurred in drilling a well on a natural gas license and applied in satisfaction of the first year's rental. During the fiscal year rentals on leases acquired out of the licenses of \$9,706.60 were satisfied by credit.

Order in Council numbered O.C. 1255/55 and dated October 7, 1955 was passed amending the Natural Gas License Regulations and makes clear that a natural gas license conveys the right to drill wells for natural gas and the right to produce the same.

Crown Reserve Natural Gas Licenses.—Twelve Crown reserve natural gas licenses covering an area of 197,988 acres were issued during the fiscal year. At the close of the year eleven licenses were active, containing an area of 254,948 acres. The revenue from fees was \$3,000.00, from rentals \$30,169.35 and the revenue from accepted offers at sales of Crown reserve natural gas licenses amounted to \$497,473.70. Credit may be granted for expenditures incurred in drilling a well on a Crown reserve natural gas license and applied in satisfaction of the first year's rental. During the fiscal year rentals on leases acquired out of the license of \$12,892.20 were satisfied by credit.

Order in Council numbered O.C. 1256/56 and dated October 7, 1955 was passed amending the Crown Reserve Natural Gas License Regulations and makes clear that a Crown reserve natural gas license conveys the right to drill wells for natural gas and the right to produce the same.

Natural Gas Leases.—The granting of natural gas leases continued and during the fiscal year a total of 54 leases were issued covering 242,553 acres. Fifty-two of the leases were granted out of natural gas licenses or Crown reserve natural gas licenses and permit the recovery of natural gas from one or more zones specified in the lease. The remaining two leases authorizing the recovery of natural gas from the Leduc and Basal Quartz Sandstone Zones, were issued comprising the balances of spacing units to permit natural gas wells that are capable of commercial production to be operated at full production allowables.

The annual rental of a natural gas lease is thirty-three and one-third cents an acre and while an adequate market or a market in which the lessee may participate is not available, the annual rental is reduced to ten cents an acre. The revenue from fees was \$530.00 and from rentals \$214,064.27.

On December 31, 1955, the Province entered into an agreement with Canadian Western Natural Gas Company, Limited,

permitting the company to store gas in the Bow Island Sands and to withdraw the gas so stored when needed by the natural gas system operated by the company.

The agreement is for a term of twenty-one years commencing May 3, 1950 and is renewable for further terms of twenty-one years so long as the Bow Island Sands are being used by the company for storage or reproduction purposes. The annual rental payable is \$2,000.00 and the agreement comprises thirty-three sections in townships 10 and 11, ranges 11 and 12, west of the 4th Meridian. The company previously had held nineteen petroleum and natural gas leases in the area covering 764 acres and these were surrendered upon execution of the agreement.

COAL

In the fiscal year, 33 leases were issued containing 24,966 acres, being made up of new and renewal and second renewal leases. There are now 527 active leases comprising 143,695 acres. There were nine road allowance coal mining leases issued and there are now 139 active. The revenue received from fees was \$655.00 and from lease rentals \$51,275.09.

Crown royalties collected during the fiscal year were \$216,839.64 and the following tonnage of coal, subject to royalty was mined:

	Tons
Coal Leases	2,069,519
Coal Lands and Minerals Sales.....	588,304
	<hr/>
Total	2,657,823

QUARRYING

Nine quarrying leases comprising a total of 1,149 acres were issued during the fiscal year, one of which was for the removal of limestone, four for clay, one for bentonite, one for marl and two for shale.

Extraction of 895,237 tons of limestone and shale and 27 cubic yards of clay from Crown leases was reported and at the close of the fiscal year 40 quarrying leases containing an area of 5,806 acres were active.

MISCELLANEOUS LEASES

A special mineral lease was issued to Canadian Pacific Railway Company at a rental of \$20.00 a year. The lease comprises portions of road allowances underlying the company's viaduct near the City of Lethbridge.

BITUMINOUS SANDS

Eight bituminous sands leases, comprising a total of 40,058 acres were issued during the fiscal year, and at the close of the year nine leases were active containing an area of 43,956 acres. Two bituminous sands prospecting permits were issued during

the year, five permits were terminated and two were renewed. There were four permits active at the close of the year.

Regulations governing the disposition of bituminous sands rights the property of the Crown, were established on December 14, 1955 by Order in Council numbered O.C. 1600/55.

QUARTZ

One hundred and fifteen claims were recorded during the year. Sixty-four existing claims were continued for a further year. The claim in the Drumheller district for the recovery of bentonite was one of those continued and extraction of 1,352 tons was reported.

PLACER

Thirty placer claims were recorded and sixty-seven were renewed for another year. No recovery of gold was reported during the year.

SODIUM CHLORIDE (Common Salt)

During the fiscal year the plant near Lindberg operated and the reported extraction was 36,311 tons, an increase of 6,964 tons over the previous year.

SULPHUR

The sulphur plants at Jumping Pound and Turner Valley produced 29,093 short tons during 1955, an increase of 6,773 tons over last year.

SPECIAL PERMITS

The permit for the collection of bitumen issuing from an old well in the Peace River district was again renewed. Collection of 139 gallons was reported during the year under review.

IRON PROSPECTING PERMITS

During the year under review two iron prospecting permits comprising 48,168 acres were issued by the Department. One permit was cancelled leaving two permits comprising 114,976 acres active at the end of the year.

MINERAL SALES

A new section 24b was added to The Mines and Minerals Act at the first session of the Legislative Assembly in 1955. It provides a means whereby minerals in roadways expropriated by the Crown many years ago may be returned to the adjacent owner. During the fiscal year ten notifications were issued pursuant to section 24b known as mineral sales at a nominal consideration and the revenue for the fiscal year amounted to \$10.00.

WELL LICENSES

There were 1,929 well licenses issued during the fiscal year for the drilling of oil and gas wells, structure test holes, injection wells and water wells.

DRILLING STATISTICS

The drilling and production of petroleum and natural gas wells in the Province are administered by The Petroleum and Natural Gas Conservation Board, 603 Sixth Avenue South West, Calgary, Alberta, and particulars as to drilling activity, production and statistical data are included in weekly, monthly and annual reports issued by the Board.

STAFF

At the close of the fiscal year the Division staff numbered 44 employees and continued to give the same conscientious and capable service that has been given in the past.

Technical Division

Report of the Superintendent of the Technical Division

J. M. NOVAK

It is with the deepest regret that on December 18, 1955, the Technical Division suffered the profound loss of Harold Benjamin Grove, who since his appointment in 1949 as Superintendent of the Technical Division, directed his energy into the moulding of his staff to the duties and responsibilities involved as a service to the Department and to the public. His kind guidance is largely responsible for the present organization and continuity of service in the Division.

The latter part of the fiscal year was dominated by an extensive rush for petroleum and natural gas reservations, precipitated by the discovery of oil in the Red Earth Area. The oil strike occurred on a location approximately 200 miles due north of Edmonton. Subsequently, applications for petroleum and natural gas reservations were processed covering lands in a broad band running northwest and southeast of the oil discovery.

A summary of the activities of the Technical Division for the fiscal year ending March 31, 1956, is as follows:

DRAUGHTING, LAND DESCRIPTIONS AND GENERAL

No new maps of the standard size, 52" x 30" or 26" x 15", to the scale of two miles to the inch were prepared. However, the series of maps covering approximately forty-eight townships for each area and on a scale of three-quarters of an inch to the mile were drawn covering the following new areas:

ATLEE-BUFFALO—Townships 20 to 24, Ranges 1 to 7, West of the 4th Meridian

GILBY—Townships 37 to 44, Ranges 1 to 5, West of the 5th Meridian

ROCKY MOUNTAIN HOUSE—Townships 37 to 44, Ranges 6 to 11, West of the 5th Meridian

SIBBALD-OYEN—Townships 25 to 29, Ranges 1 to 7, West of the 4th Meridian

SUNDRE-OLDS—Townships 29 to 36, Ranges 1 to 5, West of the 5th Meridian.

Because of the difficulty in efficiently showing the wells and well names on the two inches to one mile map for the Lloydminster Field, where the spacing unit for each well is ten acres, three new maps were prepared on a scale of three inches to the mile embracing townships 49 to 51 and ranges 1, 2 and 3, west of the fourth meridian.

There are, however, fields for which standard size maps have not been draughted and during the year five maps were drawn to a scale of two miles to the inch on transparent township plans so that maps are available showing the locations and status of wells for all producing areas. The fields covered in this respect are:

Alexander, Athabasca East, Glenevis, Hairy Hill and Joffre West.

All new maps drawn and included in the total of eighty prepared to the end of this fiscal year are subject to showing the locations of wells as well licenses are granted. When the status of a well changes, it is adjusted on the map. The limits of fields as established or altered by order of the Petroleum and Natural Gas Conservation Board are also included on the maps.

A map of the Province showing the location of oil and gas field maps published to March 31, 1956, is included in this report.

A total of 2,418 maps was distributed by the department which is a decrease of 826 from the 3,274 maps distributed in the previous year. A list of maps is available indicating the price of each map.

This Division maintains a weekly service at a cost of \$75.00 a year which entitles a subscriber to a sketch of each new reservation or gas license issued and each reservation or gas license amended, cancelled or converted to lease. The number of subscribers increased from 57 to 62 and 41,000 copies of sketches were prepared and mailed showing an increase of approximately 11,000 over last year's total.

During the year, 1,897 applications for licenses to drill wells were recommended for issue by the Petroleum and Natural Gas Conservation Board, which is an increase of 490 from the 1,407 applications dealt with in the previous year. The Division, upon receipt of each application, searches the ownership of the minerals in the spacing unit allotted to the well.

Land descriptions were prepared for all mineral dispositions, as well as descriptions for recommendations to council.

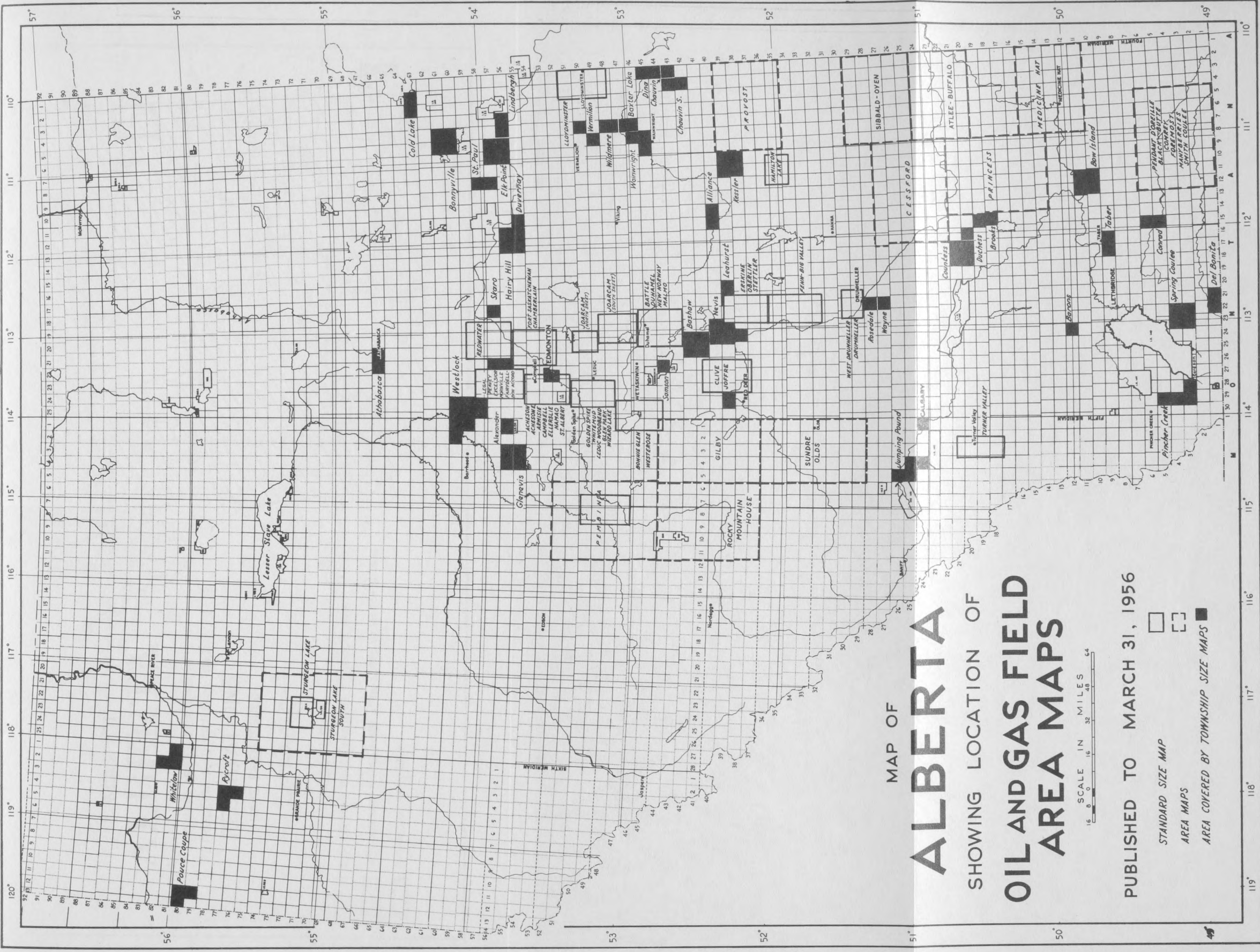
In addition to the 41,000 copies of petroleum and natural gas reservation sketches which were reproduced on the multi-graph duplicator machine, 279,258 copies of other items were reproduced, representing a decrease of 114,853 copies under the previous year.

The map of Alberta showing the areas covered by all petroleum and natural gas reservations to March 31, 1955, has been revised to indicate the area of reservations issued during the present year and is included in this report.

The photostat and ozalid print requirements of the Department, as in past years, continued, to be supplied by the Technical Division, Department of Lands and Forests.

To further expedite the requirements of the Department a new type of duplicating machine, a "Verifax Copier" was purchased. The function of the machine is to quickly reproduce copies of original letters or other similar work when limited copies are needed. This method reproduced 1,277 copies within the last two months of the year under review.

The plan attached to each of the 115 applications for quartz claims and 30 placer claims was examined and, when satisfactory, plotted in the departmental township record and, if in the district north of Lake Athabasca and east of Slave River, on the tracing of the small scale map of the area.

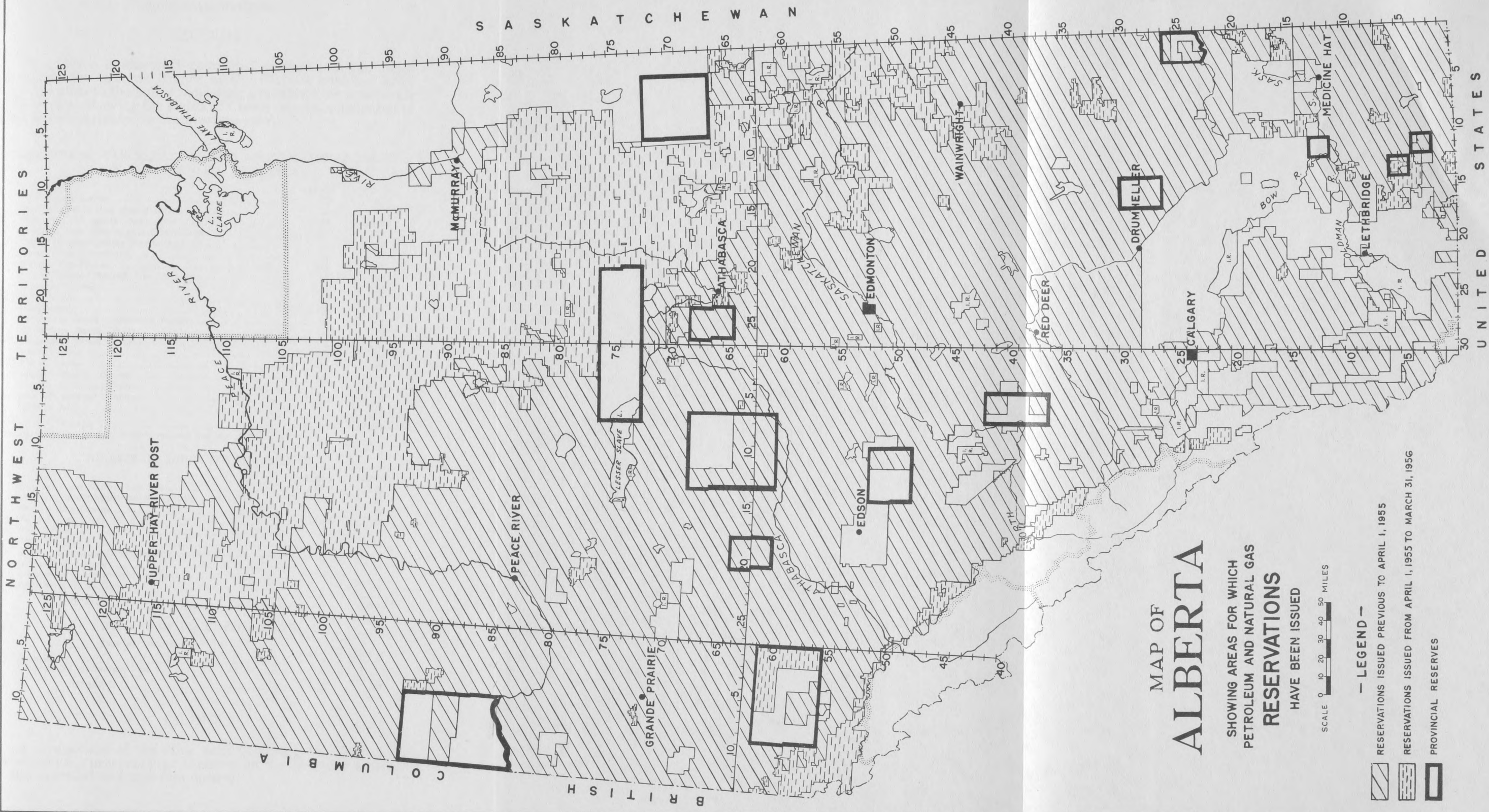


MAP OF
ALBERTA
SHOWING LOCATION OF
**OIL AND GAS FIELD
AREA MAPS**

SCALE IN MILES
0 16 32 48 64

PUBLISHED TO MARCH 31, 1956

- STANDARD SIZE MAP
- AREA MAPS
- AREA COVERED BY TOWNSHIP SIZE MAPS



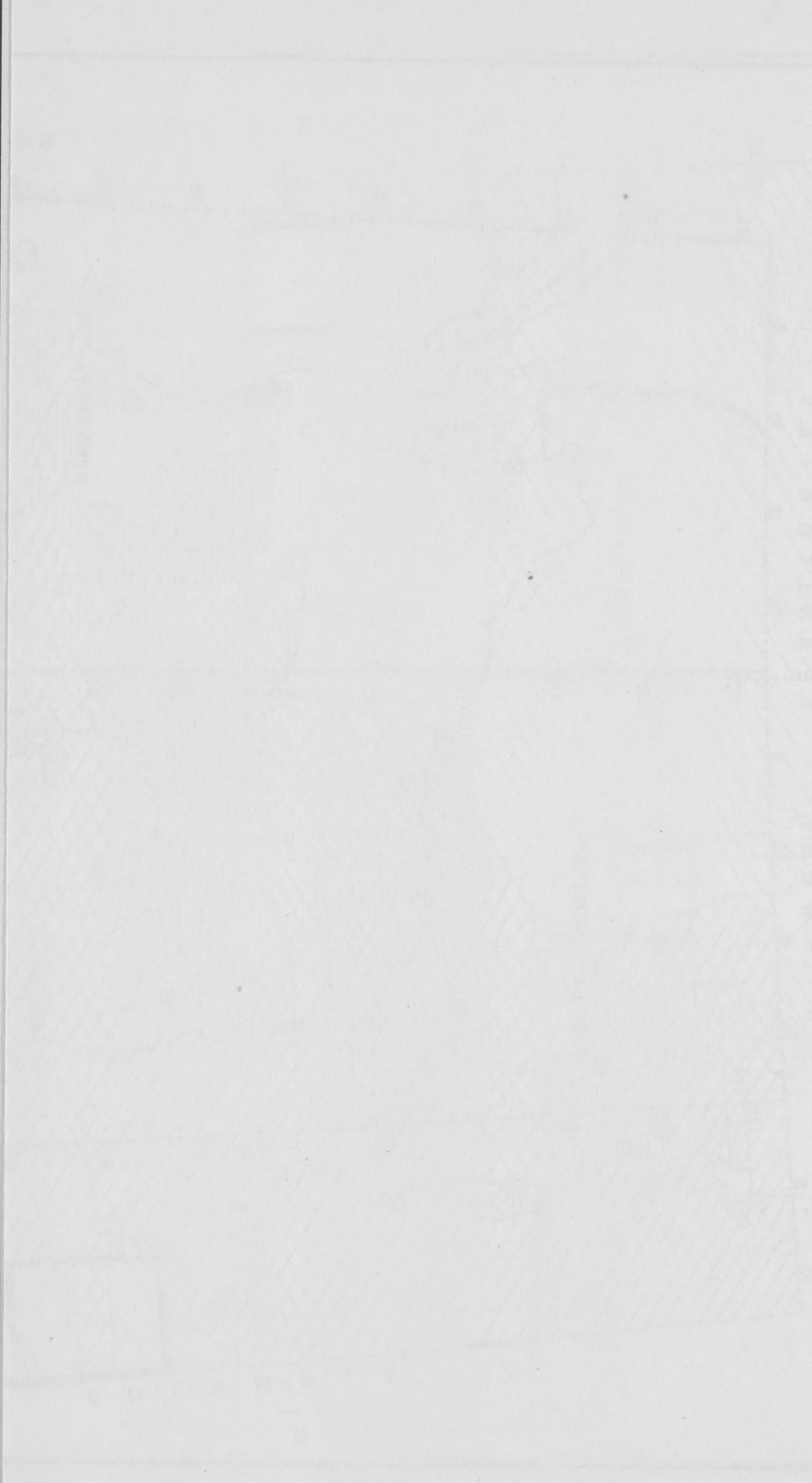
MAP OF
ALBERTA

SHOWING AREAS FOR WHICH
PETROLEUM AND NATURAL GAS
RESERVATIONS
HAVE BEEN ISSUED

SCALE 0 10 20 30 40 50 MILES

- **LEGEND** —
- RESERVATIONS ISSUED PREVIOUS TO APRIL 1, 1955
 - RESERVATIONS ISSUED FROM APRIL 1, 1955 TO MARCH 31, 1956
 - PROVINCIAL RESERVES

UNITED STATES



RECORDS

In addition to the work completed as shown in the tables hereunder, the Records Branch of the Division supplied 3,575 township plots to the public indicating available Crown minerals and also plots showing the status of Crown minerals compared to 5,332 plots distributed in the previous year.

*DISPOSITIONS, CANCELLATIONS AND ASSIGNMENTS RECORDED
IN THE TOWNSHIP REGISTERS

	1954-55	1955-56
Coal Mining Leases	79	81
Road Allowance Coal Mining Leases	15	13
Petroleum and Natural Gas Leases	6,772	4,166
Petroleum and Natural Gas Reservations	436	552
Crown Reserve Drilling Reservations .....	.....	107
Natural Gas Licenses	30	27
Natural Gas Leases	221	57
Crown Reserve Natural Gas Licenses	27	26
Quarrying Leases	16	10
Notifications	3	26
Assignments	4,443	2,611
Bituminous Sands Prospecting Permits	13	7
Bituminous Sands Leases .....	.....	8
Bituminous Sands Licenses	1	.....
Quartz Claims	423	180
Placer Claims	245	97
Special Mineral Leases .....	.....	1
Permits to Collect Bitumen	1	.....
Iron Prospecting Permits	7	3
Mineral Sales .....	.....	10
TOTALS	12,732	7,982

*Includes issued, reinstated, divided, renewed and certificates of work.

NUMBER OF AGREEMENTS ASSIGNED

	1954-55	1955-56
Petroleum and Natural Gas Lease	4,376	2,541
Petroleum and Natural Gas Reservation .....	.....	26
Natural Gas License	1	4
Natural Gas Lease	27	17
Coal Lease	32	8
Quarrying Lease	5	3
Permit to Operate Geophysical Equipment	1	7
Geophysical License .....	.....	4
Bituminous Sands Prospecting Permit	1	.....
Bituminous Sands License .....	.....	1
TOTALS	4,443	2,611

NUMBER OF DOCUMENTS FILED

Type of Document	1954-55	1955-56
Mechanic's Lien	8	7
Discharge of Mechanic's Lien	13	9
TOTALS	21	16

FILING

A comparison of the filing activity during the year under review and the previous year is shown on the following schedule of files cancelled and new files opened.

NEW FILES OPENED AND FILES CANCELLED

Type of File	Opened 1954-55	Cancelled 1954-55	Opened 1955-56	Cancelled 1955-56
Lease, Reservation, Permit, etc.	3,860	4,887	2,910	2,223
Company	187	.....	139	.....
Coal Royalty	19	5	14	16
General	233	.....	141	2
Alienated	14	.....	11	.....
Well Deposit	17	377	23	.....
Unit	1	.....	6	.....
Structure Test	2	.....	7	.....
Water Well	13	.....	7	.....
Petroleum and Natural Gas Royalty	627	127	1,011	78
Battery	62	4	135	16
Group	7	1	3	3
Geophysical License	175	1	189	1
Geophysical License Deposit	6	.....	10	.....
Permit to Operate Geophysical Equipment	23	23	24	3
Scheme	21	.....	17	.....
Power of Attorney .....	.....	.....	125	.....
TOTALS	5,267	5,425	4,772	2,342

NOTIFICATIONS FOR ISSUE OF CERTIFICATE OF TITLE

Twenty-six notifications were issued during the year, nine completed exchanges of minerals, ten completed mineral sales, seven for correction of letters patent.

Ten notifications granted all mines and minerals other than gold and silver, seven notifications granted all minerals other than gold and silver, two notifications granted all mines and minerals other than coal, gold and silver, one notification granted all natural gas, one notification granted all mines and minerals other than coal, petroleum, gold and silver, one notification granted all coal, two notifications granted all mines and minerals other than gold, silver and coal, two notifications granted all minerals other than coal, gold and silver.

During the seven years of the operation of the Department seventy-four notifications for minerals have been issued.

Mineral Tax Division

Report of the Superintendent

E. F. Gilker

During the calendar year 1955, seven new producing areas were brought under assessment and the principal mineral and the assessed value for 1955 follow:

Producing Area	Parcels Assessed	Principal Mineral	Assessed Value
Acheson East	1	Petroleum	\$ 80.00
Alliance	1	Petroleum	80.00
Duvernay	20	Natural Gas	42,640.48
Hamilton Lake	7	Petroleum	206,434.01
Pembina	3	Petroleum	1,416,641.24
Rimbey	16	Petroleum	715,667.66
St. Albert	42	Natural Gas	373,099.26

Other producing areas of the Province designated by Ministerial Order and assessed in previous years were again included in the assessment roll for the year 1955 and these are also enumerated:

Producing Area	Parcels Assessed	Principal Mineral	Assessed Value
Acheson	23	Petroleum	\$ 5,586,260.45
Armisle	7	Petroleum	217,433.88
Bashaw	2	Petroleum	102,012.75
Baxter Lake	3	Petroleum	33,365.80
Big Valley-Fenn	38	Petroleum	14,627,359.95
Black Butte	1	Natural Gas	72,389.76
Bon Accord	5	Petroleum	253,760.10
Bonnie Glen	17	Petroleum	12,428,490.75
Campbell	12	Petroleum	82,648.80
Cessford	1	Petroleum	288,701.20
Chamberlain	4	Petroleum	59,967.31
Chauvin	5	Petroleum	107,608.02
Clive	4	Petroleum	449,120.96
Conrad	1	Petroleum	15,038.10
Duhamel	3	Petroleum	288,387.85
Ellerslie	7	Petroleum	140,851.32
Erskine	6	Petroleum	219,405.62
Excelsior	5	Petroleum	1,561,731.70
Fairydell	4	Petroleum	551,104.14
Glen Park	2	Petroleum	189,287.50
Joarcam	80	Petroleum	9,948,632.31
Joffre	12	Petroleum	1,513,952.78
Jumping Pound	56	Natural Gas	701,457.29
Leduc-Woodbend	299	Petroleum	35,672,915.93
Legal	1	Petroleum	52,060.24
Lindbergh	3	Natural Gas	21,377.48
Lloydminster	31	Petroleum	1,113,806.38
Malmö	6	Petroleum	736,039.10
Medicine Hat-Redcliff	111	Natural Gas	398,033.40
Morinville	63	Natural Gas	51,101.99
Namoo	8	Petroleum	162,877.28
New Norway	1	Petroleum	531,868.06
Peavey	1	Petroleum	112,627.46
Redwater	17	Petroleum	12,318,535.08
Stettler	11	Petroleum	1,231,271.43
Taber	1	Petroleum	19,922.43
Turner Valley	65	Petroleum and Natural Gas	6,231,027.38
Viking-Kinsella	349	Natural Gas	1,758,243.68
Westerose	3	Petroleum	3,599,790.19
Whitemud	1	Petroleum	27,648.93
Wizard Lake	6	Petroleum	8,277,068.92

Provision is also made under The Mineral Taxation Act for the assessment of any quarter section, river lot or other parcel on which a mine or well is located or that is situate within five-eighths of a mile of a mine or well. The assessment of these areas involved 585 parcels and the principal minerals assessed were petroleum, natural gas and coal with an assessed value of \$2,713,310.27.

Under the heading of parcels assessed are the number of items appearing on the assessment roll and each parcel relates to the area contained in a certificate of title. In determining the assessed value of a parcel each spacing unit on which a well has been brought into production is calculated separately; consequently, several calculations may be made in arriving at the assessment for petroleum in a parcel containing minerals in a section of land.

The acreage tax of 1½¢ an acre was continued in 1955 and the mill rate on the total assessed value of \$127,223,136.62 was again set at eight mills. This is a decrease of \$1,326,087.14 compared to the total of the assessed value for the year 1954 of \$128,549,223.76.

The revenue derived from the taxation of minerals from the enactment of the statute in 1941 until March 31st, 1949 collected by the Department of Lands and Mines was \$1,921,180.47 and revenue collected by the Department of Mines and Minerals from April 1st, 1949 is shown in the following tabulation:

Year	Mill Rate	Producing	Per Acre	Tax Acreage	Fees	Total
1949-1950	8	\$ 452,838.16	1½¢	\$297,883.10	\$ 286.50	\$ 751,007.76
1950-1951	8	526,029.61	1½¢	307,185.71	511.00	833,092.23
1951-1952	8	444,293.91	1½¢	323,185.71	2,320.10	769,799.72
1952-1953	8	572,671.45	1½¢	310,285.08	3,204.00	886,160.53
1953-1954	8	717,352.55	1½¢	283,853.18	1,055.50	1,002,261.23
1954-1955	8	1,031,913.72	1½¢	277,842.24	1,467.00	1,311,222.96
1955-1956	8	1,031,802.40	1½¢	264,496.50	914.50	1,297,213.40
						\$6,850,757.83

The arrears of acreage tax are being reduced in each year and as a consequence collections consist principally of current taxes which accounts for the reduction in the acreage tax revenue.

For a fee of fifty cents anyone may obtain a mineral tax certificate on a parcel showing the tax, if any, in arrears, and during the fiscal year 1,829 certificates were issued.

GEOPHYSICAL AND GEOLOGICAL EXPLORATION

A person desiring to undertake geophysical or subsurface geological exploration must obtain a license from the Department. The applicant before the issue of the license must furnish a cash deposit to the Provincial Treasurer in the sum of \$1,000.00 to insure that operations are conducted in accordance with The Mines and Minerals Act and the regulations governing geophysical exploration. During this fiscal year 192 licenses were issued and they will expire on the 31st of March following, unless renewed.

The regulations govern operations by seismic, gravimetric, magnetic, electrical, geochemical test drilling or other method which may be used for the purpose of exploring the subsurface requires the operator to obtain an annual permit to operate geophysical equipment and a fee of \$25.00 is required for each permit. During the fiscal year 28 such permits were issued and 99 renewed.

The staff of this branch consists of 5 investigators, 1 clerk and 1 stenographer. Each investigator is allocated an area of the Province and he inspects crews in his area. When it is represented to the Department that a crew has interfered with the right of a person the matter is investigated and in the event that damage or other interference has resulted an investigator endeavours to assist the person affected and the crew in arriving at a settlement.

Accounting Division

*Report of the Administrative Accountant
and Personnel Officer*

W. E. Shillabeer

A surplus of \$127,010,815.27 on Income Account was shown for the fiscal year ending March 31st, 1956.

Net Revenue on Income Account amounted to \$128,299,316.38.

Gross Receipts from all sources amounted to \$157,581,885.25.

Expenditure on Income Account for the year amounted to \$1,288,501.11. Particulars of expenditure may be found in Statement "C".

As at March 31st, 1956 there were 29,932 Accounts Receivable as compared with 29,092 as at March 31st, 1955. The number of active accounts as at March 31st, 1956 is made up as follows:

	No. of Accounts
Petroleum and Natural Gas Leases, Rental	23,572
Petroleum and Natural Gas Leases, Royalty	1,195
Petroleum and Natural Gas Reservations	940
Petroleum and Natural Gas Drilling Reservations	86
Natural Gas Licenses	18
Natural Gas Leases	238
Crown Reserve Natural Gas Licenses	11
Coal Leases, Rental	646
Coal Leases, Royalty	114
Registration of Assignment Tax	311
Mineral Tax (Producing Area)	2,708
Mining Leases (Miscellaneous)	93
	<hr/>
	29,932

There were 2,503 accounts cancelled, closed, transferred or paid in full and 3,343 accounts opened.

INDEX TO STATEMENTS

- A—Statement of Receipts from all sources.
- B—Statement of Receipts—Income Account.
- C—Statement of Expenditure by Appropriation and Character.
- D—Statement of Net Receipts by Division.
- E—Statement of Receipts—School Minerals.
- F—Statement of Receipts and Expenditure.
- G—Statement of Provincial Minerals Revenue by Fiscal Years received by the Province for the period April 1st, 1949 to March 31st, 1956.
- H—Statement of School Minerals Revenue by Fiscal Years received by the Province for the period April 1st, 1949 to March 31st, 1956.

Statement A

STATEMENT OF RECEIPTS FROM ALL SOURCES

From April 1st, 1955 to March 31st, 1956

	Gross Receipts	Refunds	Net Receipts
Income Account	\$128,410,048.89	\$ 110,732.51	\$128,299,316.38
Reimbursement of Previous Year's Expenditure	9.68	.....	9.68
Suspense (Unapplied receipts carried forward, subject to refund)	29,171,826.68	27,236,360.80	1,935,465.88
	<u>\$157,581,885.25</u>	<u>\$27,347,093.31</u>	<u>\$130,234,791.94</u>

Statement B

STATEMENT OF RECEIPTS INCOME ACCOUNT

From April 1st, 1955 to March 31st, 1956

INCOME ACCOUNT:

	Gross Receipts	Refunds	Net Revenue
PROVINCIAL MINERALS:			
Coal Fees, Rentals, etc.	\$ 50,510.08	\$ 377.50	\$ 50,132.58
Coal Royalty	201,607.49	.....	201,607.49
Coal Mines Act Sundry Revenue	2,831.30	15.10	2,816.20
Petroleum and Natural Gas Fees, Rentals, etc.	19,925,093.97	55,584.05	19,869,509.92
Petroleum & Natural Gas Royalty	26,652,318.58	41,450.21	26,610,868.37
Crown Reserve Sales	71,931,568.77	.....	71,931,568.77
Mining Miscellaneous	441,958.70	4,716.82	437,241.88

SCHOOL MINERALS:

Coal Fees, Rentals, etc.	1,797.51	.....	1,797.51
Coal Royalty	15,232.15	.....	15,232.15
Petroleum and Natural Gas Fees, Rentals, etc.	1,506,727.53	5,977.15	1,500,750.38
Petroleum & Natural Gas Royalty	2,186,102.94	2,097.30	2,184,005.64
Crown Reserve Sales	4,143,163.73	.....	4,143,163.73
Mining Miscellaneous	1,918.95	.....	1,918.95

MINERAL TAXATION ACT:

Mineral Tax	1,297,687.78	474.38	1,297,213.40
MISCELLANEOUS (Casual)	51,529.41	40.00	51,489.41

TOTAL INCOME ACCOUNT

(Carried to Statement A)	<u>\$128,410,048.89</u>	<u>\$ 110,732.51</u>	<u>\$128,299,316.38</u>
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EXPENDITURE CLASSIFIED BY APPROPRIATIONS AND CHARACTER
FOR THE YEAR ENDED MARCH 31st, 1956
INCOME ACCOUNT

SERVICE	2001 Minister's Office	2002 Deputy Minister's Office	2003 Accounts Division	2005 Geological Division	2006 Mines Division	2007 Rights Mineral Division	2008 Mineral Tax Division	2009 Petroleum & Natural Gas Cons. Board	2010 Technical Division	2011 Postage	2012 Printing Stationery and Office Supplies	2013 Administration Gas Resources Preservation Act	2014 Right of Entry Arbitration Board	2015 Supervisory and Safety Training Program	2016 Geophysical Branch	2017 Abandonment of Mining Properties	
Advertising					911.23	14,522.54											14,522.54
Automobiles					35.71	1,080.17							580.98				2,572.38
Books and Binding		572.24				122.56	134.82		315.00				17.30				1,197.63
Equipment		128.33	464.63			1,260.66			797.32								2,650.94
Examinations					449.00												449.00
Freight, Express and Cartage			101.67		19.61												121.28
Grants							30,459.75							10,000.00			40,459.75
Legal Fees and Expenses												385.00					385.00
Miscellaneous Supplies and Expenses		547.53	60.69		123.91	236.97	114.55	371,502.97	4,949.38			573.60	46.60		25.84	275,269.09	653,451.13
Newspapers and Periodicals		609.96	4.00		15.16	115.52	6.00						44.00				794.64
Postage					125.01					7,051.10			414.82				7,590.93
Printing and Stationery					4,337.16						19,366.46		773.16				24,476.78
Rates, Rentals and Insurance					73.20	200.98							168.52				552.80
Repairs and Replacements	232.51	180.01	700.38		199.00	1,438.58	269.61		375.90				883.40		110.10		5,260.62
Salaries		30,239.90	60,475.83	2,244.64	58,706.54	129,783.00	52,051.13		100,115.87				41,844.82		24,103.57		499,565.30
Special Services					17.65												17.65
Telegrams and Telephones		699.75	63.05		272.36	1,740.42	500.45	96.30	418.05				259.97		734.65		4,785.00
Travelling Expenses	118.59	1,008.24	109.75		6,757.91	1,664.37	3,774.56		740.73			32.75	3,594.44		11,846.40		29,647.74
TOTAL: Income Account	351.10	33,985.96	61,980.00	2,244.64	72,043.45	152,165.77	87,310.87	371,599.27	107,712.25	7,051.10	19,366.46	991.35	48,628.01	10,000.00	37,801.79	275,269.09	1,288,501.11

ACCOUNTING DIVISION

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Statement D

STATEMENT OF NET RECEIPTS BY DIVISIONS

For Fiscal Year Ending March 31st, 1956

INCOME ACCOUNT:

Mineral Rights Division	\$126,947,797.37
Mineral Tax Division	1,297,213.40
Mines Division	2,816.20
Miscellaneous (Administration Sundry Revenue, Reimbursements etc.)	51,489.41
TRANSFERRED TO OTHER DEPARTMENTS	9.68
SUSPENSE (Unapplied receipts carried forward, subject to refund)	1,935,465.88
	<u>\$130,234,791.94</u>

Statement E

STATEMENT OF RECEIPTS—SCHOOL MINERALS

From April 1st, 1955 to March 31st, 1956

INCOME ACCOUNT:

	Receipts	Refunds	Net Revenue
Coal Fees, Rentals, etc	\$ 1,797.51	.....	\$ 1,797.51
Coal Royalty	15,232.15	.....	15,232.15
Petroleum and Natural Gas Fees, Rentals, etc.	1,506,727.53	\$5,977.15	1,500,750.38
Petroleum and Natural Gas Royalty.....	2,186,102.94	2,097.30	2,184,005.64
Crown Reserve Sales	4,143,163.73	.....	4,143,163.73
Mining Miscellaneous	1,918.95	.....	1,918.95
	<u>\$7,854,942.81</u>	<u>\$8,074.45</u>	<u>\$7,846,868.36</u>

Statement F

STATEMENT OF RECEIPTS AND EXPENDITURE

For Fiscal Year Ending March 31st, 1956

Gross Receipts	Refunds	Net Receipts	Net Revenue on Income Account	Total Expenditure From Appro- priations	Surplus on Income Account
\$157,581,885.25	\$27,347,093.31	\$130,234,791.94	\$128,299,316.38	\$1,288,501.11	\$127,010,815.27

STATEMENT OF PROVINCIAL MINERALS REVENUE BY FISCAL YEARS
RECEIVED BY THE PROVINCE FOR THE PERIOD
APRIL 1st, 1949 to MARCH 31st, 1956

	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56	Total
COAL								
Fees and Rentals	\$ 185,412.49	\$ 174,035.27	\$ 211,582.89	\$ 170,286.62	\$ 142,278.66	\$ 49,933.84	\$ 50,132.58	\$ 983,662.35
Royalty	600,493.96	577,667.84	394,441.24	354,123.99	268,694.28	216,147.06	201,607.49	2,613,175.86
Sundry Revenue	6,183.50	5,335.30	5,209.45	4,526.05	3,902.20	3,067.90	2,816.20	31,040.60
PETROLEUM AND NATURAL GAS								
Fees and Rentals	5,741,111.95	9,034,896.06	14,134,672.25	18,236,470.24	23,096,649.12	19,057,601.56	19,869,509.92	109,170,911.10
Royalty	3,368,918.86	4,760,569.46	10,062,772.17	12,353,945.64	17,048,688.02	18,519,831.09	26,610,868.37	92,725,593.61
Crown Reserve Sales	23,180,998.77	28,008,052.42	12,517,931.33	19,659,005.63	49,590,009.60	38,954,155.80	71,931,568.77	243,841,722.32
SALT								
Fees and Rentals	564.00	3,129.00	1,005.60	1,005.60	1,005.60	1,005.60	1,005.60	8,721.00
Royalty	2,024.92	9,230.96	4,895.32	6,806.71	7,063.37	7,978.06	9,868.92	47,868.26
QUARRYING								
Fees and Rentals	1,019.31	1,176.72	291.28	227.23	325.01	185.52	173.30	3,398.37
Royalty	29,939.08	36,486.29	27,908.36	29,309.75	38,798.28	41,181.51	39,552.17	243,175.44
QUARTZ								
Fees and Royalty	377.56	630.00	853.47	3,826.17	15,750.92	3,283.19	1,944.82	26,666.13
PLACER								
Fees and Royalty .....	.....	325.08	42.79	30.00	30.00	1,510.00	1,117.50	3,055.37
BITUMINOUS SANDS								
Fees, Rentals and Royalty	13,350.28	7,173.20	7,173.20	52,480.95	62,994.50	42,543.76	197,997.20	383,713.09
MINING MISCELLANEOUS								
Fees, Rentals and Royalty	218,265.08	126,786.20	299,699.45	223,672.12	191,953.44	105,279.64	185,582.37	1,351,238.30
MINERAL TAX								
Non-Producing Area Tax	297,883.10	307,062.62	323,185.71	310,285.08	283,853.18	277,842.74	264,496.50	2,064,608.93
Producing Area Tax	452,838.16	526,029.61	444,293.91	572,671.45	717,352.52	1,031,922.72	1,031,802.40	4,776,910.80
Certificate Fees	286.50	511.00	2,320.10	3,204.00	1,055.50	1,467.00	914.50	9,758.60
ADMINISTRATION								
SUNDRY REVENUE	21,915.60	34,734.13	61,946.42	83,735.45	90,413.82	69,268.78	51,489.41	413,503.61
TOTAL	<u>\$34,121,583.12</u>	<u>\$43,613,831.16</u>	<u>\$38,500,224.94</u>	<u>\$ 52,065,612.68</u>	<u>\$ 91,560,818.05</u>	<u>\$ 78,384,205.77</u>	<u>\$120,452,448.02</u>	<u>\$458,698,723.74</u>

Statement H

STATEMENT OF SCHOOL MINERALS REVENUE BY FISCAL YEARS
RECEIVED BY THE PROVINCE FOR THE PERIOD
APRIL 1st, 1949 to MARCH 31st, 1956

	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56	Total
COAL								
Fees and Rentals	\$ 6,313.28	\$ 6,965.91	\$ 3,761.05	\$ 5,888.62	\$ 6,474.45	\$ 2,099.50	\$ 1,797.51	\$ 33,300.32
Royalty	51,074.51	45,643.83	42,969.61	25,368.52	17,874.97	14,759.80	15,232.15	212,923.39
PETROLEUM AND								
NATURAL GAS								
Fees and Rentals	514,065.59	744,745.23	1,245,877.55	1,445,874.57	1,501,344.38	1,597,125.63	1,500,750.38	8,549,783.33
Royalty	242,139.47	429,423.19	975,317.20	1,157,006.02	1,516,438.34	1,694,748.02	2,184,005.64	8,199,137.88
Crown Reserve Sales	50,449.43	1,072,579.97	693,357.64	3,868,438.03	3,646,107.46	1,059,164.00	4,143,163.73	14,533,260.26
BITUMINOUS SANDS								
Fees, Rentals and Royalty	1,845.00	565.00	565.00	892.05	932.10	623.20	1,184.20	6,606.55
MINING MISCELLANEOUS								
Fees, Rentals and Royalty .....	.....	3,896.01	3,768.15	1,008.00	23.00	350.61	734.75	9,780.52
TOTAL	\$ 865,947.28	\$ 2,303,819.14	\$ 2,965,616.20	\$ 6,504,475.81	\$ 6,689,194.70	\$ 4,368,870.76	\$ 7,846,868.36	\$ 31,544,792.25

PERSONNEL

The number of employees in the Department showed a decrease of four from 166 as at March 31st, 1955 to 162 at March 31st, 1956.

During the same period 40 employees left the Department, of these 4 left to accept employment outside the government service, 5 were transferred to other departments, 2 were dismissed and the remainder left for various other reasons.